



Evaluation of Daily Activity Questionnaire: User Manual v2



Supplement 1:

Rasch Transformation Tables for

Individual Condition Analyses

The Evaluation of Daily Activity Questionnaire (EDAQ) User Manual: Version 2: Supplement 1

¹ Centre for Health Sciences Research, University of Salford, UK; ² Swiss Paraplegic Research, Nottwil, Switzerland; ³ Psychometrics Laboratory, Academic Department of Rehabilitation Medicine, University of Leeds, UK ⁴ School of Nursing, Midwifery & Social Work, University of Manchester, UK.

The English version of the EDAQ is adapted from the Swedish EDAQ developed by Ulla Nordenskiöld PhD, Sahlgrenska Academy, University of Gothenburg, Sweden.

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a.hammond@salford.ac.uk or profalisonhammond@btinternet.com

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Obtaining the EDAQ and the EDAQ Manual:

The two forms of the Evaluation of Daily Activity Questionnaire (EDAQ: i.e. including Parts 1 and 2; **or** Parts 1,2 and 3) and the EDAQ Manual v2 (and any updated versions and supplements) are available for download at:

<http://usir.salford.ac.uk/view/authors/10108.html#group>

Look under “Monographs” for latest versions of the EDAQ Manual, Manual Supplements and the English, Dutch and German versions of the EDAQ.

Publications related to the EDAQ are located under “Articles.”

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1. Introduction

As EDAQ data is ordinal (and Part 2 total domain scores are calculated by summing this ordinal data), data should be summarised using medians and inter-quartile ranges (IQR) but **not** means and standard deviations. **Non-parametric** tests must be used to identify differences in scores, for example: between Sections A and B (without and with ergonomic solutions and help); before to after treatment; or between groups.

In research, if required, Part 2 total domain scores can be transformed into interval data using the **Rasch Transformation Tables** for these eight conditions (EDAQ MANUAL v2 Supplement 1: Rasch Transformation Tables for Individual Condition Analyses). This enables use of means (SD) and parametric tests, when applicable. Check you select the correct Rasch Transformation Table for use with the condition you are investigating. Rasch transformation of an individual's total domain scores are only valid when their domain data are complete and a total score can be summed. Similarly, Rasch transformation of an individual's components' scores (Self-Care or Mobility) are only valid when all their total domain scores within that component are complete. You cannot impute missing data and then Rasch transform domain scores for analysis for that individual.

2. Which Rasch Transformation tables do I use?

If you are transforming data for a single condition, e.g. AS or RA only, and you do **not** intend to compare scores from that condition with those from another condition, you should use:

- EDAQ MANUAL v2 Supplement 1: Rasch Transformation Tables for Individual Condition Analyses

During Rasch analysis we identified that there is Differential Item Functioning between conditions. Thus, if you wish to compare data **across** conditions, you should use:

- EDAQ MANUAL v2: Supplement 2: Rasch Transformation Tables for Cross-Conditional Analyses.

3 How do I use the Rasch Transformation Tables?

Key:

RAW = the total domain (sub-scale) score obtained from summing ordinal (raw) scores for each item in that domain; or

= total component score obtained from summing the total scores for domains included in that component

Rasch T = Rasch transformed score

Example using the RA Table:

Eating domain: if score = 20, the Rasch transformed score = 16.5

Self-Care component: If score = 49, the Rasch transformed score = 75.5

Bathing domain: if score = 27, the Rasch transformed score = 23.4

Mobility component: If score = 101, the Rasch transformed score = 74.6

Notes:

- Please check you are using the correct table for the condition you are investigating.

If you need information on Scoring and Coding the EDAQ Part 2, please refer to the EDAQ User Manual v2.

Rasch Transforming data in SPSS

1. Use the correct Rasch Transformation Table for the condition you are investigating.
2. Use the Recode facility in SPSS
3. For example: in Ankylosing Spondylitis (AS) for **Self Care: Scale 1 Eating**
 - Recode, for example, TS1AEating1 (= the RAW score) into RTS1AEating1 (= Rasch Transformed score)
 - use R as a prefix to the variable name to denote the Total score for "Scale 1 Section A Eating Test 1" is now Rasch transformed:

| AS: RAW score | 1. Eat Rasch T score |
|---------------------|----------------------------|
| 0 | 0.00 |
| 1 | 2.34 |
| 2 | 3.92 |
| 3 | 4.99 |
| 4 | 5.87 |
| 5 | 6.62 |
| 6 | 7.25 |
| 7 | 7.90 |
| 8 | 8.49 |
| 9 | 9.10 |
| 10 | 9.69 |
| 11 | 10.32 |
| 12 | 10.97 |
| 13 | 11.66 |
| 14 | 12.39 |
| 15 | 13.17 |
| 16 | 13.96 |
| 17 | 14.77 |
| 18 | 15.59 |
| 19 | 16.39 |
| 20 | 17.20 |
| 21 | 18.00 |
| 22 | 18.77 |
| 23 | 19.58 |
| 24 | 20.39 |
| 25 | 21.28 |
| 26 | 22.25 |
| 27 | 23.38 |
| 28 | 24.83 |
| 29 | 26.93 |
| 30 | 30.00 |

Example from Appendix 2: Scale 1 Eating (Ankylosing Spondylitis)

4. Each domain (sub-scale) for each condition being investigated will need to be recoded using the correct Rasch Transformation table for that condition. Check you are using the correct domain (sub-scale) re-coding values within that table.
5. This Rasch transformation process is only required if it is necessary to use parametric tests. To avoid this time consuming process, non-parametric analyses should be used with the total scores created from the ordinal data.

For queries about the Rasch tables: please contact Mike Horton m.c.horton@leeds.ac.uk

APPENDIX 1: RASCH TRANSFORMATION TABLE
FOR RHEUMATOID ARTHRITIS

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 are not available

| RA Self-Care | RA Self-Care | | | | | | | | Mobility | Mobility | | | | | |
|--------------|--------------|----------|---------------|------------|-----------|------------|--------------|--------------|----------|----------|--------------|-------------|---------------|---------------|-------------|
| RAW | Rasch T | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | RAW | Rasch T | 4 Bathing | 6 Indoor | 9 Transfer | 11 Outdoor | 12 House |
| 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1 | 17.0 | 2.5 | 2.5 | 2.7 | 3.3 | 2.8 | 2.6 | 1.0 | 1 | 11.8 | 3.4 | 2.9 | 1.7 | 3.4 | 3.5 |
| 2 | 27.4 | 4.3 | 4.2 | 4.5 | 5.5 | 4.8 | 4.4 | 1.7 | 2 | 19.2 | 5.8 | 4.9 | 3.0 | 5.8 | 5.9 |
| 3 | 33.7 | 5.5 | 5.2 | 5.8 | 7.0 | 6.2 | 5.6 | 2.3 | 3 | 23.8 | 7.4 | 6.3 | 3.9 | 7.4 | 7.7 |
| 4 | 38.2 | 6.5 | 6.1 | 6.8 | 8.2 | 7.2 | 6.6 | 2.8 | 4 | 27.1 | 8.7 | 7.4 | 4.7 | 8.7 | 9.1 |
| 5 | 41.6 | 7.3 | 6.8 | 7.7 | 9.2 | 8.2 | 7.3 | 3.2 | 5 | 29.6 | 9.8 | 8.4 | 5.5 | 9.8 | 10.3 |
| 6 | 44.3 | 8.1 | 7.4 | 8.5 | 10.2 | 9.0 | 8.1 | 3.7 | 6 | 31.7 | 10.8 | 9.3 | 6.2 | 10.8 | 11.3 |
| 7 | 46.6 | 8.8 | 7.9 | 9.3 | 11.0 | 9.7 | 8.7 | 4.2 | 7 | 33.5 | 11.8 | 10.1 | 7.0 | 11.7 | 12.3 |
| 8 | 48.6 | 9.5 | 8.4 | 10.1 | 11.9 | 10.3 | 9.4 | 4.9 | 8 | 35.0 | 12.6 | 10.9 | 7.8 | 12.5 | 13.1 |
| 9 | 50.3 | 10.1 | 8.8 | 10.9 | 12.7 | 10.9 | 10.0 | 5.6 | 9 | 36.4 | 13.3 | 11.6 | 8.7 | 13.2 | 13.8 |
| 10 | 51.8 | 10.7 | 9.2 | 11.8 | 13.4 | 11.5 | 10.5 | 6.4 | 10 | 37.7 | 14.0 | 12.2 | 9.5 | 13.9 | 14.3 |
| 11 | 53.2 | 11.2 | 9.6 | 12.6 | 14.2 | 12.0 | 11.1 | 7.4 | 11 | 38.8 | 14.7 | 12.9 | 10.4 | 14.5 | 14.8 |
| 12 | 54.4 | 11.8 | 9.9 | 13.5 | 14.9 | 12.5 | 11.7 | 8.4 | 12 | 39.8 | 15.3 | 13.4 | 11.2 | 15.1 | 15.3 |
| 13 | 55.6 | 12.3 | 10.3 | 14.4 | 15.6 | 13.0 | 12.3 | 9.6 | 13 | 40.8 | 15.8 | 14.0 | 12.0 | 15.6 | 15.7 |
| 14 | 56.6 | 12.9 | 10.7 | 15.3 | 16.3 | 13.5 | 12.9 | 10.9 | 14 | 41.7 | 16.3 | 14.5 | 12.9 | 16.1 | 16.1 |
| 15 | 57.6 | 13.4 | 11.0 | 16.2 | 17.0 | 14.0 | 13.5 | 12.3 | 15 | 42.5 | 16.8 | 15.1 | 13.7 | 16.5 | 16.5 |
| 16 | 58.5 | 13.9 | 11.4 | 17.1 | 17.7 | 14.5 | 14.1 | 13.8 | 16 | 43.3 | 17.3 | 15.6 | 14.7 | 17.0 | 17.0 |
| 17 | 59.4 | 14.5 | 11.8 | 18.0 | 18.3 | 15.1 | 14.7 | 15.7 | 17 | 44.1 | 17.8 | 16.1 | 16.1 | 17.4 | 17.4 |
| 18 | 60.2 | 15.1 | 12.2 | 18.9 | 19.0 | 15.7 | 15.4 | 18.0 | 18 | 44.8 | 18.2 | 16.6 | 18.0 | 17.8 | 18.0 |
| 19 | 60.9 | 15.8 | 12.6 | 19.8 | 19.6 | 16.3 | 16.1 | | 19 | 45.5 | 18.7 | 17.1 | | 18.2 | 18.7 |
| 20 | 61.7 | 16.5 | 13.1 | 20.6 | 20.3 | 17.0 | 16.9 | | 20 | 46.2 | 19.2 | 17.6 | | 18.6 | 19.6 |
| 21 | 62.4 | 17.2 | 13.6 | 21.4 | 20.9 | 17.7 | 17.7 | | 21 | 46.8 | 19.7 | 18.2 | | 19.0 | 21.0 |
| 22 | 63.0 | 18.0 | 14.2 | 22.2 | 21.5 | 18.6 | 18.5 | | 22 | 47.2 | 20.2 | 18.8 | | 19.4 | |
| 23 | 63.7 | 18.9 | 14.9 | 22.9 | 22.2 | 19.5 | 19.5 | | 23 | 48.0 | 20.7 | 19.4 | | 19.9 | |
| 24 | 64.3 | 19.9 | 15.6 | 23.6 | 22.8 | 20.7 | 20.6 | | 24 | 48.6 | 21.3 | 20.0 | | 20.4 | |
| 25 | 64.9 | 21.0 | 16.5 | 24.3 | 23.5 | 22.1 | 22.0 | | 25 | 49.2 | 21.9 | 20.7 | | 20.9 | |
| 26 | 65.5 | 22.1 | 17.4 | 25.0 | 24.1 | 24.1 | 24.1 | | 26 | 49.7 | 22.6 | 21.5 | | 21.4 | |
| 27 | 66.0 | 23.4 | 18.4 | 25.6 | 24.8 | 27.0 | 27.0 | | 27 | 50.2 | 23.4 | 22.3 | | 22.0 | |
| 28 | 66.6 | 25.0 | 19.6 | 26.4 | 25.5 | | | | 28 | 50.7 | 24.2 | 23.2 | | 22.7 | |

| RA Self-Care | Self-Care | | | | | | | | Mobility | Mobility | | | | | |
|--------------|-----------|----------|---------------|------------|-----------|------------|--------------|--------------|----------|----------|--------------|-------------|---------------|---------------|-------------|
| RAW | Rasch T | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | RAW | Rasch T | 4 Bathing | 6 Indoor | 9 Transfer | 11 Outdoor | 12 House |
| 29 | 67.1 | 27.1 | 20.9 | 27.1 | 26.2 | | | | 29 | 51.2 | 25.2 | 24.2 | | 23.4 | |
| 30 | 67.6 | 30.0 | 22.2 | 28.0 | 27.0 | | | | 30 | 51.7 | 26.3 | 25.2 | | 24.2 | |
| 31 | 68.1 | | 23.8 | 29.1 | 27.7 | | | | 31 | 52.1 | 27.8 | 26.3 | | 25.1 | |
| 32 | 68.6 | | 25.4 | 30.7 | 28.5 | | | | 32 | 52.6 | 29.9 | 27.5 | | 26.1 | |
| 33 | 69.0 | | 27.2 | 33.0 | 29.2 | | | | 33 | 53.0 | 33.0 | 28.9 | | 27.1 | |
| 34 | 69.5 | | 29.3 | | 30.0 | | | | 34 | 53.4 | | 30.5 | | 28.3 | |
| 35 | 69.9 | | 32.1 | | 30.9 | | | | 35 | 53.9 | | 32.8 | | 29.6 | |
| 36 | 70.4 | | 36.0 | | 31.8 | | | | 36 | 54.2 | | 36.0 | | 31.0 | |
| 37 | 70.8 | | | | 32.7 | | | | 37 | 54.6 | | | | 32.9 | |
| 38 | 71.2 | | | | 33.8 | | | | 38 | 55.0 | | | | 35.4 | |
| 39 | 71.6 | | | | 35.0 | | | | 39 | 55.4 | | | | 39.0 | |
| 40 | 72.1 | | | | 36.5 | | | | 40 | 55.7 | | | | | |
| 41 | 72.5 | | | | 38.8 | | | | 41 | 56.1 | | | | | |
| 42 | 72.9 | | | | 42.0 | | | | 42 | 56.4 | | | | | |
| 43 | 73.2 | | | | | | | | 43 | 56.8 | | | | | |
| 44 | 73.6 | | | | | | | | 44 | 57.1 | | | | | |
| 45 | 74.0 | | | | | | | | 45 | 57.4 | | | | | |
| 46 | 74.4 | | | | | | | | 46 | 57.7 | | | | | |
| 47 | 74.8 | | | | | | | | 47 | 58.0 | | | | | |
| 48 | 75.1 | | | | | | | | 48 | 58.3 | | | | | |
| 49 | 75.5 | | | | | | | | 49 | 58.6 | | | | | |
| 50 | 75.8 | | | | | | | | 50 | 58.9 | | | | | |
| 51 | 76.2 | | | | | | | | 51 | 59.2 | | | | | |
| 52 | 76.5 | | | | | | | | 52 | 59.5 | | | | | |
| 53 | 76.9 | | | | | | | | 53 | 59.8 | | | | | |
| 54 | 77.2 | | | | | | | | 54 | 60.1 | | | | | |
| 55 | 77.6 | | | | | | | | 55 | 60.3 | | | | | |
| 56 | 77.9 | | | | | | | | 56 | 60.6 | | | | | |

| RA Self-Care RAW | Self-care Rasch T |
|------------------|-------------------|
| 57 | 78.2 |
| 58 | 78.6 |
| 59 | 78.9 |
| 60 | 79.2 |
| 61 | 79.6 |
| 62 | 79.9 |
| 63 | 80.2 |
| 64 | 80.5 |
| 65 | 80.8 |
| 66 | 81.1 |
| 67 | 81.4 |
| 68 | 81.7 |
| 69 | 82.0 |
| 70 | 82.3 |
| 71 | 82.7 |
| 72 | 83.0 |
| 73 | 83.2 |
| 74 | 83.5 |
| 75 | 83.8 |
| 76 | 84.1 |
| 77 | 84.4 |
| 78 | 84.7 |
| 79 | 85.0 |
| 80 | 85.3 |
| 81 | 85.6 |
| 82 | 85.9 |
| 83 | 86.1 |
| 84 | 86.4 |
| 85 | 86.7 |
| 86 | 87.0 |

| RA Mobility RAW | Mobility Rasch T |
|-----------------|------------------|
| 57 | 60.9 |
| 58 | 61.1 |
| 59 | 61.4 |
| 60 | 61.7 |
| 61 | 61.9 |
| 62 | 62.2 |
| 63 | 62.5 |
| 64 | 62.7 |
| 65 | 63.0 |
| 66 | 63.2 |
| 67 | 63.5 |
| 68 | 63.8 |
| 69 | 64.0 |
| 70 | 64.3 |
| 71 | 64.5 |
| 72 | 64.8 |
| 73 | 65.1 |
| 74 | 65.4 |
| 75 | 65.6 |
| 76 | 65.9 |
| 77 | 66.2 |
| 78 | 66.5 |
| 79 | 66.7 |
| 80 | 67.0 |
| 81 | 67.3 |
| 82 | 67.6 |
| 83 | 67.9 |
| 84 | 68.2 |
| 85 | 68.5 |
| 86 | 68.9 |

| RA Self-Care RAW | Self-care Rasch T |
|---------------------|----------------------|
| 87 | 87.3 |
| 88 | 87.6 |
| 89 | 87.8 |
| 90 | 88.1 |
| 91 | 88.4 |
| 92 | 88.7 |
| 93 | 89.0 |
| 94 | 89.3 |
| 95 | 89.5 |
| 96 | 89.8 |
| 97 | 90.1 |
| 98 | 90.4 |
| 99 | 90.7 |
| 100 | 90.9 |
| 101 | 91.2 |
| 102 | 91.5 |
| 103 | 91.8 |
| 104 | 92.1 |
| 105 | 92.3 |
| 106 | 92.6 |
| 107 | 92.9 |
| 108 | 93.2 |
| 109 | 93.5 |
| 110 | 93.8 |
| 111 | 94.0 |
| 112 | 94.3 |
| 113 | 94.6 |
| 114 | 94.9 |
| 115 | 95.2 |
| 116 | 95.5 |

| RA Mobility RAW | Mobility Rasch T |
|--------------------|---------------------|
| 87 | 69.2 |
| 88 | 69.5 |
| 89 | 69.9 |
| 90 | 70.2 |
| 91 | 70.6 |
| 92 | 70.9 |
| 93 | 71.3 |
| 94 | 71.7 |
| 95 | 72.1 |
| 96 | 72.5 |
| 97 | 72.9 |
| 98 | 73.3 |
| 99 | 73.7 |
| 100 | 74.2 |
| 101 | 74.6 |
| 102 | 75.1 |
| 103 | 75.6 |
| 104 | 76.1 |
| 105 | 76.6 |
| 106 | 77.1 |
| 107 | 77.7 |
| 108 | 78.3 |
| 109 | 78.9 |
| 110 | 79.4 |
| 111 | 80.1 |
| 112 | 80.7 |
| 113 | 81.3 |
| 114 | 82.0 |
| 115 | 82.7 |
| 116 | 83.4 |

| RA Self-Care RAW | Self-care Rasch T |
|---------------------|----------------------|
| 117 | 95.8 |
| 118 | 96.1 |
| 119 | 96.3 |
| 120 | 96.6 |
| 121 | 96.9 |
| 122 | 97.2 |
| 123 | 97.5 |
| 124 | 97.8 |
| 125 | 98.1 |
| 126 | 98.4 |
| 127 | 98.7 |
| 128 | 99.1 |
| 129 | 99.4 |
| 130 | 99.7 |
| 131 | 100.0 |
| 132 | 100.3 |
| 133 | 100.6 |
| 134 | 101.0 |
| 135 | 101.3 |
| 136 | 101.6 |
| 137 | 101.9 |
| 138 | 102.3 |
| 139 | 102.6 |
| 140 | 102.9 |
| 141 | 103.3 |
| 142 | 103.6 |
| 143 | 104.0 |
| 144 | 104.3 |
| 145 | 104.7 |

| RA Mobility RAW | Mobility Rasch T |
|-----------------------|---------------------|
| 117 | 84.1 |
| 118 | 84.9 |
| 119 | 85.7 |
| 120 | 86.5 |
| 121 | 87.3 |
| 122 | 88.1 |
| 123 | 89.0 |
| 124 | 89.9 |
| 125 | 90.8 |
| 126 | 91.8 |
| 127 | 92.8 |
| 128 | 93.8 |
| 129 | 94.9 |
| 130 | 96.0 |
| 131 | 97.2 |
| 132 | 98.4 |
| 133 | 99.6 |
| 134 | 101.0 |
| 135 | 102.4 |
| 136 | 103.9 |
| 137 | 105.5 |
| 138 | 107.2 |
| 139 | 109.0 |
| 140 | 111.0 |
| 141 | 113.3 |
| 142 | 115.9 |
| 143 | 118.9 |
| 144 | 122.6 |
| 145 | 127.6 |

| RA Self-Care RAW | Self-care Rasch T |
|---------------------|----------------------|
| 146 | 105.0 |
| 147 | 105.4 |
| 148 | 105.7 |
| 149 | 106.1 |
| 150 | 106.5 |
| 151 | 106.8 |
| 152 | 107.2 |
| 153 | 107.6 |
| 154 | 108.0 |
| 155 | 108.4 |
| 156 | 108.7 |
| 157 | 109.1 |
| 158 | 109.6 |
| 159 | 110.0 |
| 160 | 110.4 |
| 161 | 110.8 |
| 162 | 111.2 |
| 163 | 111.6 |
| 164 | 112.0 |
| 165 | 112.5 |
| 166 | 112.9 |
| 167 | 113.4 |
| 168 | 113.8 |
| 169 | 114.3 |
| 170 | 114.7 |
| 171 | 115.2 |
| 172 | 115.7 |
| 173 | 116.2 |
| 174 | 116.8 |
| 175 | 117.3 |

| RA Mobility RAW | Mobility Rasch T |
|-----------------------|---------------------|
| 146 | 135.2 |
| 147 | 147.0 |

| RA Self-Care | Self-care |
|--------------|-----------|
| RAW | Rasch T |
| 176 | 117.8 |
| 177 | 118.4 |
| 178 | 119.0 |
| 179 | 119.6 |
| 180 | 120.2 |
| 181 | 120.9 |
| 182 | 121.5 |
| 183 | 122.2 |
| 184 | 122.9 |
| 185 | 123.7 |
| 186 | 124.5 |
| 187 | 125.3 |
| 188 | 126.2 |
| 189 | 127.1 |
| 190 | 128.1 |
| 191 | 129.1 |
| 192 | 130.2 |
| 193 | 131.3 |
| 194 | 132.5 |
| 195 | 133.9 |
| 196 | 135.3 |
| 197 | 136.7 |
| 198 | 138.3 |
| 199 | 140.0 |
| 200 | 141.9 |
| 201 | 143.9 |
| 202 | 146.0 |
| 203 | 148.4 |
| 204 | 150.9 |
| 205 | 153.8 |

| RA Self-Care RAW | Self-care Rasch T |
|---------------------|----------------------|
| 206 | 156.9 |
| 207 | 160.5 |
| 208 | 164.6 |
| 209 | 169.5 |
| 210 | 175.5 |
| 211 | 183.5 |
| 212 | 195.3 |
| 213 | 213.0 |

**APPENDIX 2: RASCH TRANSFORMATION TABLE
FOR ANKYLOSING SPONDYLITIS.**

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| AS Self-Care RAW | AS Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | AS Mobility RAW | AS Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|------------------|--------------------|-------|------------|---------|--------|---------|-----------|-----------|-----------------|-------------------|-----------|-----------|-------------|-------------|----------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 20.56 | 2.34 | 4.71 | 4.08 | 6.06 | 3.32 | 5.34 | 1.04 | 1 | 13.13 | 4.19 | 3.93 | 2.40 | 2.86 | 4.06 |
| 2 | 33.49 | 3.92 | 7.94 | 7.04 | 10.18 | 5.75 | 10.11 | 1.87 | 2 | 21.82 | 7.24 | 7.05 | 4.35 | 4.76 | 7.14 |
| 3 | 41.66 | 4.99 | 10.15 | 9.16 | 12.97 | 7.55 | 11.64 | 2.51 | 3 | 27.54 | 9.45 | 9.53 | 5.93 | 6.03 | 9.46 |
| 4 | 47.58 | 5.87 | 11.90 | 10.93 | 15.19 | 9.04 | 12.12 | 3.10 | 4 | 31.89 | 11.30 | 11.74 | 7.32 | 7.02 | 11.47 |
| 5 | 52.26 | 6.62 | 13.40 | 12.50 | 17.06 | 10.22 | 12.41 | 3.61 | 5 | 35.39 | 12.94 | 13.72 | 8.55 | 7.82 | 13.30 |
| 6 | 56.11 | 7.25 | 14.57 | 13.92 | 18.73 | 11.00 | 12.66 | 4.14 | 6 | 38.36 | 14.41 | 15.49 | 9.62 | 8.52 | 15.09 |
| 7 | 59.63 | 7.90 | 15.46 | 15.21 | 20.24 | 11.49 | 12.92 | 4.71 | 7 | 40.95 | 15.74 | 17.04 | 10.54 | 9.15 | 16.80 |
| 8 | 62.25 | 8.49 | 16.09 | 16.39 | 21.57 | 11.83 | 13.11 | 5.36 | 8 | 43.26 | 16.89 | 18.41 | 11.33 | 9.69 | 17.55 |
| 9 | 64.80 | 9.10 | 16.54 | 17.44 | 22.79 | 12.10 | 13.22 | 6.14 | 9 | 45.33 | 17.89 | 19.59 | 12.02 | 10.20 | 17.99 |
| 10 | 67.07 | 9.69 | 16.93 | 18.37 | 23.54 | 12.35 | 13.39 | 7.13 | 10 | 47.20 | 18.75 | 20.60 | 12.62 | 10.65 | 18.30 |
| 11 | 69.14 | 10.32 | 17.23 | 19.18 | 24.16 | 12.57 | 13.54 | 8.26 | 11 | 48.93 | 19.44 | 21.36 | 13.17 | 11.08 | 18.57 |
| 12 | 71.05 | 10.97 | 17.50 | 19.88 | 24.62 | 12.76 | 13.69 | 9.39 | 12 | 50.52 | 20.02 | 21.88 | 13.67 | 11.48 | 18.77 |
| 13 | 72.78 | 11.66 | 17.71 | 20.50 | 25.00 | 12.98 | 13.89 | 10.48 | 13 | 52.01 | 20.50 | 22.25 | 14.15 | 11.85 | 18.99 |
| 14 | 74.39 | 12.39 | 17.97 | 21.04 | 25.32 | 13.14 | 13.96 | 11.55 | 14 | 53.38 | 20.91 | 22.54 | 14.66 | 12.22 | 19.19 |
| 15 | 75.88 | 13.17 | 18.14 | 21.53 | 25.55 | 13.35 | 14.19 | 12.68 | 15 | 54.67 | 21.28 | 22.78 | 15.20 | 12.58 | 19.46 |
| 16 | 77.28 | 13.96 | 18.37 | 21.96 | 25.83 | 13.55 | 14.28 | 13.97 | 16 | 55.88 | 21.61 | 22.96 | 15.84 | 12.94 | 19.67 |
| 17 | 78.58 | 14.77 | 18.52 | 22.37 | 26.05 | 13.77 | 14.50 | 15.69 | 17 | 57.00 | 21.92 | 23.14 | 16.74 | 13.30 | 19.84 |
| 18 | 79.80 | 15.59 | 18.71 | 22.74 | 26.28 | 14.03 | 14.65 | 18.00 | 18 | 58.08 | 22.21 | 23.31 | 18.00 | 13.65 | 20.13 |
| 19 | 80.95 | 16.39 | 18.94 | 23.10 | 26.40 | 14.32 | 14.76 | | 19 | 59.07 | 22.47 | 23.47 | | 14.02 | 20.39 |
| 20 | 82.01 | 17.20 | 19.07 | 23.45 | 26.58 | 14.72 | 15.00 | | 20 | 60.02 | 22.75 | 23.65 | | 14.42 | 20.68 |
| 21 | 83.04 | 18.00 | 19.33 | 23.77 | 26.81 | 15.29 | 15.21 | | 21 | 60.92 | 23.04 | 23.78 | | 14.85 | 21.00 |
| 22 | 84.02 | 18.77 | 19.49 | 24.12 | 26.95 | 16.22 | 15.42 | | 22 | 61.76 | 23.32 | 23.93 | | 15.29 | |
| 23 | 84.90 | 19.58 | 19.74 | 24.45 | 27.18 | 17.55 | 15.71 | | 23 | 62.59 | 23.63 | 24.09 | | 15.79 | |
| 24 | 85.78 | 20.39 | 19.97 | 24.82 | 27.32 | 19.13 | 16.14 | | 24 | 63.36 | 23.95 | 24.28 | | 16.34 | |
| 25 | 86.60 | 21.28 | 20.21 | 25.20 | 27.47 | 21.02 | 17.08 | | 25 | 64.09 | 24.27 | 24.47 | | 16.94 | |
| 26 | 87.36 | 22.25 | 20.48 | 25.58 | 27.63 | 23.57 | 21.95 | | 26 | 64.79 | 24.66 | 24.67 | | 17.63 | |
| 27 | 88.11 | 23.38 | 20.80 | 26.02 | 27.80 | 27.00 | 27.00 | | 27 | 65.47 | 25.10 | 24.92 | | 18.39 | |
| 28 | 88.81 | 24.83 | 21.18 | 26.53 | 28.00 | | | | 28 | 66.13 | 25.62 | 25.22 | | 19.24 | |
| 29 | 89.48 | 26.93 | 21.66 | 27.13 | 28.20 | | | | 29 | 66.75 | 26.27 | 25.63 | | 20.19 | |
| 30 | 90.09 | 30.00 | 22.34 | 27.88 | 28.37 | | | | 30 | 67.34 | 27.11 | 26.21 | | 21.24 | |
| 31 | 90.70 | | 23.34 | 28.89 | 28.59 | | | | 31 | 67.93 | 28.28 | 27.04 | | 22.40 | |
| 32 | 91.27 | | 24.65 | 30.49 | 28.87 | | | | 32 | 68.48 | 30.11 | 28.07 | | 23.67 | |

| AS Self-Care RAW | AS Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | AS Mobility RAW | AS Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|------------------|--------------------|-------|------------|---------|--------|---------|-----------|-----------|-----------------|-------------------|-----------|-----------|-------------|-------------|----------|
| 33 | 91.85 | | 26.30 | 33.00 | 29.08 | | | | 33 | 69.01 | 33.00 | 29.29 | | 25.06 | |
| 34 | 92.37 | | 28.39 | | 29.39 | | | | 34 | 69.52 | | 30.76 | | 26.56 | |
| 35 | 92.88 | | 31.47 | | 29.74 | | | | 35 | 70.02 | | 32.89 | | 28.18 | |
| 36 | 93.37 | | 36.00 | | 30.15 | | | | 36 | 70.47 | | 36.00 | | 29.97 | |
| 37 | 93.82 | | | | 30.68 | | | | 37 | 70.93 | | | | 32.10 | |
| 38 | 94.25 | | | | 31.46 | | | | 38 | 71.37 | | | | 35.02 | |
| 39 | 94.70 | | | | 32.58 | | | | 39 | 71.79 | | | | 39.00 | |
| 40 | 95.10 | | | | 34.57 | | | | 40 | 72.18 | | | | | |
| 41 | 95.49 | | | | 37.54 | | | | 41 | 72.56 | | | | | |
| 42 | 95.86 | | | | 42.00 | | | | 42 | 72.93 | | | | | |
| 43 | 96.22 | | | | | | | | 43 | 73.28 | | | | | |
| 44 | 96.59 | | | | | | | | 44 | 73.63 | | | | | |
| 45 | 96.92 | | | | | | | | 45 | 73.94 | | | | | |
| 46 | 97.22 | | | | | | | | 46 | 74.25 | | | | | |
| 47 | 97.53 | | | | | | | | 47 | 74.55 | | | | | |
| 48 | 97.83 | | | | | | | | 48 | 74.84 | | | | | |
| 49 | 98.13 | | | | | | | | 49 | 75.13 | | | | | |
| 50 | 98.41 | | | | | | | | 50 | 75.41 | | | | | |
| 51 | 98.68 | | | | | | | | 51 | 75.68 | | | | | |
| 52 | 98.92 | | | | | | | | 52 | 75.94 | | | | | |
| 53 | 99.20 | | | | | | | | 53 | 76.21 | | | | | |
| 54 | 99.44 | | | | | | | | 54 | 76.47 | | | | | |
| 55 | 99.68 | | | | | | | | 55 | 76.73 | | | | | |
| 56 | 99.90 | | | | | | | | 56 | 77.00 | | | | | |
| 57 | 100.11 | | | | | | | | 57 | 77.26 | | | | | |
| 58 | 100.35 | | | | | | | | 58 | 77.53 | | | | | |
| 59 | 100.56 | | | | | | | | 59 | 77.79 | | | | | |
| 60 | 100.78 | | | | | | | | 60 | 78.07 | | | | | |
| 61 | 100.96 | | | | | | | | 61 | 78.34 | | | | | |
| 62 | 101.17 | | | | | | | | 62 | 78.62 | | | | | |
| 63 | 101.38 | | | | | | | | 63 | 78.89 | | | | | |
| 64 | 101.54 | | | | | | | | 64 | 79.18 | | | | | |
| 65 | 101.75 | | | | | | | | 65 | 79.48 | | | | | |

| AS Self-Care RAW | AS Total Self Care |
|------------------|--------------------|
| 66 | 101.93 |
| 67 | 102.11 |
| 68 | 102.29 |
| 69 | 102.48 |
| 70 | 102.66 |
| 71 | 102.81 |
| 72 | 102.99 |
| 73 | 103.18 |
| 74 | 103.33 |
| 75 | 103.51 |
| 76 | 103.69 |
| 77 | 103.84 |
| 78 | 104.00 |
| 79 | 104.18 |
| 80 | 104.33 |
| 81 | 104.51 |
| 82 | 104.66 |
| 83 | 104.85 |
| 84 | 105.00 |
| 85 | 105.15 |
| 86 | 105.33 |
| 87 | 105.48 |
| 88 | 105.67 |
| 89 | 105.82 |
| 90 | 105.97 |
| 91 | 106.12 |
| 92 | 106.30 |
| 93 | 106.45 |
| 94 | 106.61 |
| 95 | 106.76 |
| 96 | 106.91 |
| 97 | 107.06 |
| 98 | 107.24 |

| AS Mobility RAW | AS Total Mobility |
|-----------------|-------------------|
| 66 | 79.79 |
| 67 | 80.10 |
| 68 | 80.43 |
| 69 | 80.74 |
| 70 | 81.09 |
| 71 | 81.44 |
| 72 | 81.77 |
| 73 | 82.12 |
| 74 | 82.47 |
| 75 | 82.82 |
| 76 | 83.16 |
| 77 | 83.51 |
| 78 | 83.84 |
| 79 | 84.17 |
| 80 | 84.50 |
| 81 | 84.81 |
| 82 | 85.13 |
| 83 | 85.44 |
| 84 | 85.71 |
| 85 | 86.01 |
| 86 | 86.28 |
| 87 | 86.54 |
| 88 | 86.81 |
| 89 | 87.07 |
| 90 | 87.31 |
| 91 | 87.57 |
| 92 | 87.80 |
| 93 | 88.04 |
| 94 | 88.28 |
| 95 | 88.50 |
| 96 | 88.74 |
| 97 | 88.96 |
| 98 | 89.20 |

| AS Self-Care RAW | AS Total Self Care |
|------------------|--------------------|
| 99 | 107.40 |
| 100 | 107.55 |
| 101 | 107.73 |
| 102 | 107.88 |
| 103 | 108.06 |
| 104 | 108.22 |
| 105 | 108.40 |
| 106 | 108.55 |
| 107 | 108.73 |
| 108 | 108.91 |
| 109 | 109.10 |
| 110 | 109.28 |
| 111 | 109.46 |
| 112 | 109.64 |
| 113 | 109.82 |
| 114 | 110.01 |
| 115 | 110.22 |
| 116 | 110.40 |
| 117 | 110.61 |
| 118 | 110.83 |
| 119 | 111.04 |
| 120 | 111.25 |
| 121 | 111.46 |
| 122 | 111.71 |
| 123 | 111.92 |
| 124 | 112.16 |
| 125 | 112.38 |
| 126 | 112.62 |
| 127 | 112.86 |
| 128 | 113.10 |
| 129 | 113.38 |
| 130 | 113.62 |
| 131 | 113.86 |

| AS Mobility RAW | AS Total Mobility |
|-----------------|-------------------|
| 99 | 89.44 |
| 100 | 89.66 |
| 101 | 89.89 |
| 102 | 90.13 |
| 103 | 90.37 |
| 104 | 90.63 |
| 105 | 90.87 |
| 106 | 91.12 |
| 107 | 91.40 |
| 108 | 91.67 |
| 109 | 91.95 |
| 110 | 92.24 |
| 111 | 92.54 |
| 112 | 92.85 |
| 113 | 93.18 |
| 114 | 93.51 |
| 115 | 93.86 |
| 116 | 94.24 |
| 117 | 94.63 |
| 118 | 95.03 |
| 119 | 95.47 |
| 120 | 95.91 |
| 121 | 96.39 |
| 122 | 96.88 |
| 123 | 97.41 |
| 124 | 97.98 |
| 125 | 98.57 |
| 126 | 99.17 |
| 127 | 99.83 |
| 128 | 100.51 |
| 129 | 101.25 |
| 130 | 102.02 |
| 131 | 102.82 |

| AS Self-Care RAW | AS Total Self Care |
|------------------|--------------------|
| 132 | 114.11 |
| 133 | 114.35 |
| 134 | 114.59 |
| 135 | 114.87 |
| 136 | 115.11 |
| 137 | 115.35 |
| 138 | 115.59 |
| 139 | 115.84 |
| 140 | 116.08 |
| 141 | 116.32 |
| 142 | 116.57 |
| 143 | 116.81 |
| 144 | 117.05 |
| 145 | 117.29 |
| 146 | 117.54 |
| 147 | 117.75 |
| 148 | 117.99 |
| 149 | 118.24 |
| 150 | 118.48 |
| 151 | 118.72 |
| 152 | 118.96 |
| 153 | 119.21 |
| 154 | 119.45 |
| 155 | 119.69 |
| 156 | 119.94 |
| 157 | 120.18 |
| 158 | 120.45 |
| 159 | 120.69 |
| 160 | 121.00 |
| 161 | 121.24 |
| 162 | 121.51 |
| 163 | 121.82 |
| 164 | 122.12 |

| AS Mobility RAW | AS Total Mobility |
|-----------------|-------------------|
| 132 | 103.70 |
| 133 | 104.62 |
| 134 | 105.61 |
| 135 | 106.67 |
| 136 | 107.81 |
| 137 | 109.06 |
| 138 | 110.43 |
| 139 | 111.94 |
| 140 | 113.61 |
| 141 | 115.51 |
| 142 | 117.73 |
| 143 | 120.39 |
| 144 | 123.75 |
| 145 | 128.29 |
| 146 | 135.54 |
| 147 | 147.00 |

| AS Self-Care RAW | AS Total Self Care |
|------------------|--------------------|
| 165 | 122.40 |
| 166 | 122.70 |
| 167 | 123.03 |
| 168 | 123.37 |
| 169 | 123.70 |
| 170 | 124.07 |
| 171 | 124.43 |
| 172 | 124.79 |
| 173 | 125.19 |
| 174 | 125.61 |
| 175 | 126.01 |
| 176 | 126.46 |
| 177 | 126.92 |
| 178 | 127.37 |
| 179 | 127.86 |
| 180 | 128.38 |
| 181 | 128.89 |
| 182 | 129.41 |
| 183 | 129.99 |
| 184 | 130.56 |
| 185 | 131.14 |
| 186 | 131.78 |
| 187 | 132.42 |
| 188 | 133.08 |
| 189 | 133.78 |
| 190 | 134.51 |
| 191 | 135.27 |
| 192 | 136.09 |
| 193 | 136.94 |
| 194 | 137.82 |
| 195 | 138.76 |
| 196 | 139.76 |
| 197 | 140.83 |

| AS Self-Care RAW | AS Total Self Care |
|------------------|--------------------|
| 198 | 141.95 |
| 199 | 143.16 |
| 200 | 144.50 |
| 201 | 145.93 |
| 202 | 147.48 |
| 203 | 149.21 |
| 204 | 151.09 |
| 205 | 153.24 |
| 206 | 155.67 |
| 207 | 158.53 |
| 208 | 161.93 |
| 209 | 166.15 |
| 210 | 171.68 |
| 211 | 179.51 |
| 212 | 192.23 |
| 213 | 213.00 |

**APPENDIX 3: RASCH TRANSFORMATION TABLE
FOR OSTEOARTHRITIS.**

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| OA Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | OA Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|------------------|-----------------|-------|------------|---------|--------|---------|-----------|-----------|-----------------|----------------|-----------|-----------|-------------|-------------|----------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 21.22 | 3.63 | 5.28 | 3.15 | 4.31 | 2.84 | 3.02 | 1.65 | 1 | 13.89 | 3.89 | 3.62 | 1.90 | 2.87 | 3.51 |
| 2 | 34.12 | 6.20 | 8.99 | 5.34 | 7.27 | 4.80 | 5.07 | 2.88 | 2 | 22.29 | 6.66 | 6.29 | 3.45 | 4.88 | 6.02 |
| 3 | 41.94 | 8.02 | 11.61 | 6.86 | 9.31 | 6.15 | 6.46 | 3.83 | 3 | 27.38 | 8.62 | 8.26 | 4.70 | 6.28 | 7.83 |
| 4 | 47.43 | 9.48 | 13.75 | 8.09 | 10.91 | 7.21 | 7.56 | 4.61 | 4 | 30.94 | 10.24 | 9.93 | 5.87 | 7.45 | 9.35 |
| 5 | 51.59 | 10.79 | 15.63 | 9.17 | 12.27 | 8.12 | 8.47 | 5.39 | 5 | 33.69 | 11.65 | 11.42 | 7.13 | 8.50 | 10.70 |
| 6 | 54.94 | 12.02 | 17.34 | 10.16 | 13.48 | 8.93 | 9.26 | 6.17 | 6 | 35.92 | 12.94 | 12.78 | 8.55 | 9.52 | 11.94 |
| 7 | 57.68 | 13.21 | 18.89 | 11.09 | 14.65 | 9.67 | 9.95 | 7.01 | 7 | 37.83 | 14.12 | 14.02 | 10.11 | 10.49 | 13.08 |
| 8 | 60.05 | 14.37 | 20.31 | 12.00 | 15.75 | 10.38 | 10.58 | 7.95 | 8 | 39.51 | 15.18 | 15.14 | 11.81 | 11.49 | 14.07 |
| 9 | 62.06 | 15.52 | 21.60 | 12.91 | 16.84 | 11.06 | 11.14 | 8.96 | 9 | 40.99 | 16.15 | 16.13 | 13.51 | 12.51 | 14.86 |
| 10 | 63.89 | 16.65 | 22.76 | 13.79 | 17.90 | 11.71 | 11.67 | 9.98 | 10 | 42.37 | 17.01 | 17.01 | 14.48 | 13.57 | 15.49 |
| 11 | 65.50 | 17.74 | 23.77 | 14.65 | 18.93 | 12.34 | 12.15 | 10.93 | 11 | 43.63 | 17.79 | 17.78 | 15.05 | 14.65 | 16.00 |
| 12 | 66.95 | 18.80 | 24.63 | 15.50 | 19.96 | 12.95 | 12.62 | 11.78 | 12 | 44.83 | 18.49 | 18.45 | 15.48 | 15.74 | 16.44 |
| 13 | 68.31 | 19.82 | 25.36 | 16.31 | 20.98 | 13.55 | 13.08 | 12.58 | 13 | 45.97 | 19.11 | 19.04 | 15.83 | 16.83 | 16.85 |
| 14 | 69.54 | 20.76 | 25.95 | 17.12 | 21.97 | 14.14 | 13.53 | 13.37 | 14 | 47.07 | 19.67 | 19.57 | 16.22 | 17.92 | 17.20 |
| 15 | 70.71 | 21.63 | 26.43 | 17.90 | 22.94 | 14.75 | 13.99 | 14.17 | 15 | 48.12 | 20.19 | 20.04 | 16.58 | 19.00 | 17.57 |
| 16 | 71.78 | 22.38 | 26.84 | 18.66 | 23.87 | 15.35 | 14.48 | 15.13 | 16 | 49.13 | 20.66 | 20.47 | 16.95 | 20.08 | 17.98 |
| 17 | 72.79 | 23.01 | 27.19 | 19.39 | 24.78 | 15.95 | 14.97 | 16.38 | 17 | 50.10 | 21.11 | 20.87 | 17.41 | 21.16 | 18.34 |
| 18 | 73.73 | 23.53 | 27.53 | 20.12 | 25.65 | 16.55 | 15.51 | 18.00 | 18 | 51.06 | 21.54 | 21.24 | 18.00 | 22.21 | 18.80 |
| 19 | 74.65 | 24.00 | 27.80 | 20.82 | 26.50 | 17.19 | 16.09 | | 19 | 51.98 | 21.95 | 21.61 | | 23.24 | 19.37 |
| 20 | 75.53 | 24.46 | 28.06 | 21.49 | 27.33 | 17.85 | 16.74 | | 20 | 52.89 | 22.34 | 21.97 | | 24.26 | 20.08 |
| 21 | 76.35 | 24.86 | 28.34 | 22.15 | 28.11 | 18.55 | 17.46 | | 21 | 53.77 | 22.74 | 22.33 | | 25.24 | 21.00 |
| 22 | 77.14 | 25.24 | 28.58 | 22.78 | 28.87 | 19.30 | 18.28 | | 22 | 54.63 | 23.14 | 22.69 | | 26.21 | |
| 23 | 77.90 | 25.59 | 28.82 | 23.40 | 29.57 | 20.16 | 19.23 | | 23 | 55.46 | 23.54 | 23.05 | | 27.15 | |
| 24 | 78.65 | 25.98 | 29.07 | 24.01 | 30.22 | 21.13 | 20.37 | | 24 | 56.28 | 23.96 | 23.45 | | 28.04 | |
| 25 | 79.35 | 26.40 | 29.31 | 24.59 | 30.84 | 22.39 | 21.81 | | 25 | 57.07 | 24.41 | 23.87 | | 28.89 | |
| 26 | 80.04 | 26.90 | 29.55 | 25.20 | 31.40 | 24.25 | 23.91 | | 26 | 57.87 | 24.87 | 24.32 | | 29.68 | |
| 27 | 80.73 | 27.39 | 29.81 | 25.81 | 31.92 | 27.00 | 27.00 | | 27 | 58.64 | 25.41 | 24.83 | | 30.40 | |
| 28 | 81.37 | 28.02 | 30.07 | 26.46 | 32.43 | | | | 28 | 59.39 | 25.99 | 25.39 | | 31.05 | |
| 29 | 82.03 | 28.85 | 30.30 | 27.21 | 32.88 | | | | 29 | 60.14 | 26.67 | 26.04 | | 31.65 | |
| 30 | 82.63 | 30.00 | 30.67 | 28.03 | 33.33 | | | | 30 | 60.87 | 27.52 | 26.76 | | 32.19 | |

| OA Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | OA Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|------------------|-----------------|-------|------------|---------|--------|---------|-----------|-----------|-----------------|----------------|-----------|-----------|-------------|-------------|----------|
| 31 | 83.26 | | 31.02 | 29.11 | 33.73 | | | | 31 | 61.60 | 28.64 | 27.59 | | 32.71 | |
| 32 | 83.82 | | 31.41 | 30.69 | 34.21 | | | | 32 | 62.29 | 30.36 | 28.53 | | 33.18 | |
| 33 | 84.42 | | 31.96 | 33.00 | 34.63 | | | | 33 | 63.00 | 33.00 | 29.64 | | 33.70 | |
| 34 | 84.99 | | 32.68 | | 35.02 | | | | 34 | 63.69 | | 31.05 | | 34.24 | |
| 35 | 85.56 | | 33.91 | | 35.55 | | | | 35 | 64.35 | | 33.08 | | 34.82 | |
| 36 | 86.10 | | 36.00 | | 36.02 | | | | 36 | 65.02 | | 36.00 | | 35.45 | |
| 37 | 86.63 | | | | 36.56 | | | | 37 | 65.66 | | | | 36.25 | |
| 38 | 87.17 | | | | 37.10 | | | | 38 | 66.29 | | | | 37.38 | |
| 39 | 87.70 | | | | 37.83 | | | | 39 | 66.93 | | | | 39.00 | |
| 40 | 88.21 | | | | 38.78 | | | | 40 | 67.53 | | | | | |
| 41 | 88.71 | | | | 40.12 | | | | 41 | 68.13 | | | | | |
| 42 | 89.22 | | | | 42.00 | | | | 42 | 68.73 | | | | | |
| 43 | 89.72 | | | | | | | | 43 | 69.31 | | | | | |
| 44 | 90.23 | | | | | | | | 44 | 69.87 | | | | | |
| 45 | 90.70 | | | | | | | | 45 | 70.43 | | | | | |
| 46 | 91.17 | | | | | | | | 46 | 70.97 | | | | | |
| 47 | 91.65 | | | | | | | | 47 | 71.48 | | | | | |
| 48 | 92.12 | | | | | | | | 48 | 72.00 | | | | | |
| 49 | 92.59 | | | | | | | | 49 | 72.51 | | | | | |
| 50 | 93.03 | | | | | | | | 50 | 73.01 | | | | | |
| 51 | 93.51 | | | | | | | | 51 | 73.48 | | | | | |
| 52 | 93.95 | | | | | | | | 52 | 73.95 | | | | | |
| 53 | 94.39 | | | | | | | | 53 | 74.42 | | | | | |
| 54 | 94.83 | | | | | | | | 54 | 74.87 | | | | | |
| 55 | 95.27 | | | | | | | | 55 | 75.33 | | | | | |
| 56 | 95.68 | | | | | | | | 56 | 75.75 | | | | | |
| 57 | 96.12 | | | | | | | | 57 | 76.21 | | | | | |
| 58 | 96.53 | | | | | | | | 58 | 76.63 | | | | | |
| 59 | 96.98 | | | | | | | | 59 | 77.06 | | | | | |
| 60 | 97.39 | | | | | | | | 60 | 77.47 | | | | | |
| 61 | 97.80 | | | | | | | | 61 | 77.90 | | | | | |

| OA Self-Care RAW | Total Self Care |
|------------------|-----------------|
| 62 | 98.21 |
| 63 | 98.62 |
| 64 | 99.03 |
| 65 | 99.44 |
| 66 | 99.81 |
| 67 | 100.22 |
| 68 | 100.60 |
| 69 | 101.01 |
| 70 | 101.39 |
| 71 | 101.77 |
| 72 | 102.15 |
| 73 | 102.56 |
| 74 | 102.94 |
| 75 | 103.28 |
| 76 | 103.66 |
| 77 | 104.04 |
| 78 | 104.42 |
| 79 | 104.80 |
| 80 | 105.14 |
| 81 | 105.52 |
| 82 | 105.90 |
| 83 | 106.25 |
| 84 | 106.59 |
| 85 | 106.97 |
| 86 | 107.32 |
| 87 | 107.70 |
| 88 | 108.05 |
| 89 | 108.39 |
| 90 | 108.74 |
| 91 | 109.09 |
| 92 | 109.46 |

| OA Mobility RAW | Total Mobility |
|-----------------|----------------|
| 62 | 78.33 |
| 63 | 78.76 |
| 64 | 79.19 |
| 65 | 79.60 |
| 66 | 80.03 |
| 67 | 80.46 |
| 68 | 80.89 |
| 69 | 81.34 |
| 70 | 81.77 |
| 71 | 82.20 |
| 72 | 82.63 |
| 73 | 83.06 |
| 74 | 83.48 |
| 75 | 83.91 |
| 76 | 84.34 |
| 77 | 84.77 |
| 78 | 85.18 |
| 79 | 85.59 |
| 80 | 86.00 |
| 81 | 86.40 |
| 82 | 86.81 |
| 83 | 87.20 |
| 84 | 87.61 |
| 85 | 87.99 |
| 86 | 88.38 |
| 87 | 88.75 |
| 88 | 89.13 |
| 89 | 89.50 |
| 90 | 89.86 |
| 91 | 90.23 |
| 92 | 90.59 |

| OA Self-Care RAW | Total Self Care |
|------------------|-----------------|
| 93 | 109.81 |
| 94 | 110.16 |
| 95 | 110.51 |
| 96 | 110.85 |
| 97 | 111.20 |
| 98 | 111.51 |
| 99 | 111.86 |
| 100 | 112.21 |
| 101 | 112.56 |
| 102 | 112.90 |
| 103 | 113.22 |
| 104 | 113.56 |
| 105 | 113.91 |
| 106 | 114.23 |
| 107 | 114.57 |
| 108 | 114.89 |
| 109 | 115.24 |
| 110 | 115.55 |
| 111 | 115.87 |
| 112 | 116.18 |
| 113 | 116.53 |
| 114 | 116.84 |
| 115 | 117.16 |
| 116 | 117.47 |
| 117 | 117.79 |
| 118 | 118.11 |
| 119 | 118.39 |
| 120 | 118.70 |
| 121 | 119.02 |
| 122 | 119.34 |
| 123 | 119.62 |

| OA Mobility RAW | Total Mobility |
|-----------------|----------------|
| 93 | 90.96 |
| 94 | 91.32 |
| 95 | 91.69 |
| 96 | 92.03 |
| 97 | 92.40 |
| 98 | 92.74 |
| 99 | 93.10 |
| 100 | 93.45 |
| 101 | 93.81 |
| 102 | 94.18 |
| 103 | 94.52 |
| 104 | 94.89 |
| 105 | 95.25 |
| 106 | 95.62 |
| 107 | 95.98 |
| 108 | 96.35 |
| 109 | 96.71 |
| 110 | 97.08 |
| 111 | 97.46 |
| 112 | 97.83 |
| 113 | 98.21 |
| 114 | 98.60 |
| 115 | 98.99 |
| 116 | 99.40 |
| 117 | 99.78 |
| 118 | 100.19 |
| 119 | 100.60 |
| 120 | 101.01 |
| 121 | 101.44 |
| 122 | 101.87 |
| 123 | 102.32 |

| OA Self-Care RAW | Total Self Care |
|------------------|-----------------|
| 124 | 119.93 |
| 125 | 120.22 |
| 126 | 120.53 |
| 127 | 120.82 |
| 128 | 121.10 |
| 129 | 121.42 |
| 130 | 121.70 |
| 131 | 121.98 |
| 132 | 122.27 |
| 133 | 122.58 |
| 134 | 122.87 |
| 135 | 123.15 |
| 136 | 123.44 |
| 137 | 123.72 |
| 138 | 124.00 |
| 139 | 124.32 |
| 140 | 124.60 |
| 141 | 124.89 |
| 142 | 125.20 |
| 143 | 125.49 |
| 144 | 125.80 |
| 145 | 126.08 |
| 146 | 126.40 |
| 147 | 126.72 |
| 148 | 127.00 |
| 149 | 127.31 |
| 150 | 127.63 |
| 151 | 127.95 |
| 152 | 128.29 |
| 153 | 128.61 |
| 154 | 128.95 |

| OA Mobility RAW | Total Mobility |
|-----------------|----------------|
| 124 | 102.77 |
| 125 | 103.22 |
| 126 | 103.69 |
| 127 | 104.18 |
| 128 | 104.68 |
| 129 | 105.21 |
| 130 | 105.75 |
| 131 | 106.31 |
| 132 | 106.91 |
| 133 | 107.56 |
| 134 | 108.22 |
| 135 | 108.95 |
| 136 | 109.75 |
| 137 | 110.60 |
| 138 | 111.57 |
| 139 | 112.67 |
| 140 | 113.93 |
| 141 | 115.44 |
| 142 | 117.28 |
| 143 | 119.60 |
| 144 | 122.74 |
| 145 | 127.18 |
| 146 | 134.59 |
| 147 | 147.00 |

| OA Self-Care RAW | Total Self Care |
|------------------|-----------------|
| 155 | 129.27 |
| 156 | 129.62 |
| 157 | 129.96 |
| 158 | 130.31 |
| 159 | 130.69 |
| 160 | 131.04 |
| 161 | 131.38 |
| 162 | 131.76 |
| 163 | 132.11 |
| 164 | 132.49 |
| 165 | 132.86 |
| 166 | 133.24 |
| 167 | 133.62 |
| 168 | 133.97 |
| 169 | 134.35 |
| 170 | 134.73 |
| 171 | 135.10 |
| 172 | 135.45 |
| 173 | 135.83 |
| 174 | 136.18 |
| 175 | 136.55 |
| 176 | 136.90 |
| 177 | 137.28 |
| 178 | 137.63 |
| 179 | 138.01 |
| 180 | 138.35 |
| 181 | 138.73 |
| 182 | 139.08 |
| 183 | 139.49 |
| 184 | 139.83 |
| 185 | 140.24 |

| OA Self-Care RAW | Total Self Care |
|------------------|-----------------|
| 186 | 140.62 |
| 187 | 141.03 |
| 188 | 141.47 |
| 189 | 141.92 |
| 190 | 142.39 |
| 191 | 142.86 |
| 192 | 143.37 |
| 193 | 143.93 |
| 194 | 144.50 |
| 195 | 145.13 |
| 196 | 145.79 |
| 197 | 146.55 |
| 198 | 147.37 |
| 199 | 148.25 |
| 200 | 149.23 |
| 201 | 150.34 |
| 202 | 151.57 |
| 203 | 152.95 |
| 204 | 154.50 |
| 205 | 156.30 |
| 206 | 158.38 |
| 207 | 160.84 |
| 208 | 163.83 |
| 209 | 167.62 |
| 210 | 172.66 |
| 211 | 179.98 |
| 212 | 192.28 |
| 213 | 213.00 |

**APPENDIX 4: RASCH TRANSFORMATION TABLE
FOR SYSTEMIC LUPUS ERYTHEMATOSUS.**

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| SLE Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | SLE Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|-------------------------|-----------------------|----------|---------------|------------|-----------|------------|--------------|--------------|------------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 19.41 | 2.76 | 3.01 | 4.26 | 3.60 | 3.18 | 3.30 | 1.66 | 1 | 14.93 | 3.99 | 3.79 | 2.40 | 0.34 | 1.95 |
| 2 | 31.45 | 4.69 | 5.04 | 7.28 | 6.06 | 5.44 | 5.58 | 2.99 | 2 | 23.87 | 6.74 | 6.54 | 4.26 | 0.67 | 3.35 |
| 3 | 38.96 | 6.03 | 6.40 | 9.39 | 7.75 | 7.07 | 7.17 | 4.03 | 3 | 29.21 | 8.66 | 8.54 | 5.70 | 0.99 | 4.36 |
| 4 | 44.37 | 7.13 | 7.47 | 11.15 | 9.10 | 8.40 | 8.43 | 5.05 | 4 | 32.96 | 10.29 | 10.20 | 6.98 | 1.27 | 5.22 |
| 5 | 48.53 | 8.07 | 8.38 | 12.71 | 10.24 | 9.56 | 9.49 | 6.14 | 5 | 35.83 | 11.74 | 11.70 | 8.23 | 1.53 | 5.97 |
| 6 | 51.96 | 8.94 | 9.23 | 14.18 | 11.27 | 10.57 | 10.41 | 7.45 | 6 | 38.13 | 13.13 | 13.08 | 9.48 | 1.78 | 6.73 |
| 7 | 54.84 | 9.74 | 9.98 | 15.61 | 12.19 | 11.45 | 11.21 | 9.05 | 7 | 40.05 | 14.55 | 14.36 | 10.71 | 2.09 | 7.51 |
| 8 | 57.32 | 10.49 | 10.71 | 17.05 | 13.04 | 12.22 | 11.91 | 10.82 | 8 | 41.69 | 15.98 | 15.54 | 11.87 | 2.26 | 8.31 |
| 9 | 59.50 | 11.21 | 11.43 | 18.52 | 13.82 | 12.89 | 12.53 | 12.78 | 9 | 43.09 | 17.90 | 16.63 | 12.86 | 2.51 | 9.19 |
| 10 | 61.45 | 11.88 | 12.12 | 20.00 | 14.52 | 13.48 | 13.09 | 14.14 | 10 | 44.25 | 19.07 | 17.63 | 13.62 | 2.78 | 10.13 |
| 11 | 63.22 | 12.52 | 12.84 | 21.50 | 15.17 | 14.01 | 13.58 | 14.82 | 11 | 45.23 | 20.74 | 18.53 | 14.19 | 3.08 | 11.08 |
| 12 | 64.82 | 13.14 | 13.55 | 23.04 | 15.77 | 14.49 | 14.06 | 15.33 | 12 | 46.06 | 22.46 | 19.36 | 14.67 | 3.46 | 12.01 |
| 13 | 66.28 | 13.75 | 14.28 | 24.66 | 16.31 | 14.95 | 14.50 | 15.72 | 13 | 46.77 | 24.34 | 20.11 | 15.12 | 3.84 | 12.88 |
| 14 | 67.64 | 14.34 | 15.02 | 26.58 | 16.82 | 15.39 | 14.94 | 16.10 | 14 | 47.43 | 27.67 | 20.79 | 15.57 | 4.42 | 13.69 |
| 15 | 68.92 | 14.93 | 15.77 | 27.76 | 17.30 | 15.82 | 15.37 | 16.49 | 15 | 48.00 | 28.50 | 21.41 | 16.00 | 5.54 | 14.44 |
| 16 | 70.12 | 15.52 | 16.51 | 28.32 | 17.75 | 16.24 | 15.79 | 16.89 | 16 | 48.53 | 28.94 | 21.97 | 16.53 | 7.36 | 15.18 |
| 17 | 71.25 | 16.11 | 17.26 | 28.72 | 18.18 | 16.69 | 16.24 | 17.39 | 17 | 49.05 | 29.26 | 22.50 | 17.18 | 9.05 | 15.94 |
| 18 | 72.30 | 16.72 | 18.01 | 29.02 | 18.60 | 17.14 | 16.71 | 18.00 | 18 | 49.50 | 29.56 | 22.99 | 18.00 | 10.67 | 16.80 |
| 19 | 73.32 | 17.34 | 18.76 | 29.29 | 19.00 | 17.65 | 17.20 | | 19 | 49.95 | 29.70 | 23.46 | | 12.33 | 17.78 |
| 20 | 74.25 | 17.99 | 19.52 | 29.53 | 19.39 | 18.18 | 17.74 | | 20 | 50.38 | 30.00 | 23.91 | | 14.03 | 19.14 |
| 21 | 75.18 | 18.67 | 20.26 | 29.85 | 19.79 | 18.79 | 18.35 | | 21 | 50.76 | 30.22 | 24.33 | | 15.77 | 21.00 |
| 22 | 76.05 | 19.40 | 21.00 | 30.00 | 20.19 | 19.49 | 19.05 | | 22 | 51.21 | 30.30 | 24.75 | | 17.52 | |
| 23 | 76.87 | 20.17 | 21.73 | 30.28 | 20.62 | 20.29 | 19.86 | | 23 | 51.63 | 30.48 | 25.17 | | 19.27 | |
| 24 | 77.68 | 20.98 | 22.46 | 30.39 | 21.04 | 21.25 | 20.85 | | 24 | 52.06 | 30.78 | 25.60 | | 21.00 | |
| 25 | 78.47 | 21.85 | 23.19 | 30.72 | 21.48 | 22.50 | 22.15 | | 25 | 52.51 | 30.84 | 26.01 | | 22.70 | |
| 26 | 79.19 | 22.81 | 23.89 | 30.90 | 21.95 | 24.32 | 24.09 | | 26 | 52.96 | 31.14 | 26.43 | | 24.36 | |
| 27 | 79.92 | 23.92 | 24.60 | 31.14 | 22.46 | 27.00 | 27.00 | | 27 | 53.44 | 31.22 | 26.90 | | 25.96 | |
| 28 | 80.62 | 25.28 | 25.33 | 31.33 | 23.00 | | | | 28 | 53.94 | 31.41 | 27.37 | | 27.47 | |
| 29 | 81.29 | 27.23 | 26.06 | 31.57 | 23.58 | | | | 29 | 54.43 | 31.51 | 27.88 | | 28.80 | |
| 30 | 81.96 | 30.00 | 26.81 | 31.74 | 24.22 | | | | 30 | 55.00 | 31.83 | 28.44 | | 29.93 | |
| 31 | 82.60 | | 27.63 | 32.04 | 24.93 | | | | 31 | 55.57 | 32.06 | 29.06 | | 30.88 | |
| 32 | 83.21 | | 28.55 | 32.44 | 25.71 | | | | 32 | 56.21 | 32.44 | 29.76 | | 31.70 | |

| SLE Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | SLE Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|-------------------------|-----------------------|----------|---------------|------------|-----------|------------|--------------|--------------|------------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 33 | 83.82 | | 29.60 | 33.00 | 26.55 | | | | 33 | 56.85 | 33.00 | 30.62 | | 32.50 | |
| 34 | 84.40 | | 30.97 | | 27.48 | | | | 34 | 57.52 | | 31.75 | | 33.25 | |
| 35 | 84.98 | | 32.99 | | 28.48 | | | | 35 | 58.21 | | 33.44 | | 33.98 | |
| 36 | 85.57 | | 36.00 | | 29.57 | | | | 36 | 58.89 | | 36.00 | | 34.82 | |
| 37 | 86.09 | | | | 30.76 | | | | 37 | 59.58 | | | | 35.82 | |
| 38 | 86.64 | | | | 32.08 | | | | 38 | 60.27 | | | | 37.17 | |
| 39 | 87.17 | | | | 33.59 | | | | 39 | 60.96 | | | | 39.00 | |
| 40 | 87.69 | | | | 35.47 | | | | 40 | 61.62 | | | | | |
| 41 | 88.19 | | | | 38.16 | | | | 41 | 62.31 | | | | | |
| 42 | 88.68 | | | | 42.00 | | | | 42 | 62.95 | | | | | |
| 43 | 89.17 | | | | | | | | 43 | 63.62 | | | | | |
| 44 | 89.64 | | | | | | | | 44 | 64.26 | | | | | |
| 45 | 90.11 | | | | | | | | 45 | 64.90 | | | | | |
| 46 | 90.57 | | | | | | | | 46 | 65.54 | | | | | |
| 47 | 91.01 | | | | | | | | 47 | 66.16 | | | | | |
| 48 | 91.44 | | | | | | | | 48 | 66.80 | | | | | |
| 49 | 91.88 | | | | | | | | 49 | 67.41 | | | | | |
| 50 | 92.32 | | | | | | | | 50 | 68.03 | | | | | |
| 51 | 92.72 | | | | | | | | 51 | 68.62 | | | | | |
| 52 | 93.16 | | | | | | | | 52 | 69.24 | | | | | |
| 53 | 93.57 | | | | | | | | 53 | 69.83 | | | | | |
| 54 | 93.97 | | | | | | | | 54 | 70.45 | | | | | |
| 55 | 94.35 | | | | | | | | 55 | 71.04 | | | | | |
| 56 | 94.76 | | | | | | | | 56 | 71.64 | | | | | |
| 57 | 95.14 | | | | | | | | 57 | 72.23 | | | | | |
| 58 | 95.52 | | | | | | | | 58 | 72.82 | | | | | |
| 59 | 95.90 | | | | | | | | 59 | 73.42 | | | | | |
| 60 | 96.24 | | | | | | | | 60 | 73.99 | | | | | |
| 61 | 96.62 | | | | | | | | 61 | 74.58 | | | | | |
| 62 | 96.97 | | | | | | | | 62 | 75.17 | | | | | |
| 63 | 97.35 | | | | | | | | 63 | 75.74 | | | | | |
| 64 | 97.70 | | | | | | | | 64 | 76.34 | | | | | |
| 65 | 98.05 | | | | | | | | 65 | 76.93 | | | | | |

| SLE Self-Care RAW | Total Self Care |
|-------------------|-----------------|
| 66 | 98.37 |
| 67 | 98.72 |
| 68 | 99.07 |
| 69 | 99.39 |
| 70 | 99.74 |
| 71 | 100.06 |
| 72 | 100.38 |
| 73 | 100.70 |
| 74 | 101.02 |
| 75 | 101.34 |
| 76 | 101.66 |
| 77 | 101.98 |
| 78 | 102.30 |
| 79 | 102.62 |
| 80 | 102.91 |
| 81 | 103.23 |
| 82 | 103.52 |
| 83 | 103.84 |
| 84 | 104.16 |
| 85 | 104.45 |
| 86 | 104.74 |
| 87 | 105.06 |
| 88 | 105.35 |
| 89 | 105.67 |
| 90 | 105.96 |
| 91 | 106.28 |
| 92 | 106.57 |
| 93 | 106.86 |
| 94 | 107.18 |
| 95 | 107.47 |
| 96 | 107.79 |
| 97 | 108.09 |
| 98 | 108.41 |

| SLE Mobility RAW | Total Mobility |
|------------------|----------------|
| 66 | 77.50 |
| 67 | 78.09 |
| 68 | 78.66 |
| 69 | 79.23 |
| 70 | 79.82 |
| 71 | 80.39 |
| 72 | 80.96 |
| 73 | 81.53 |
| 74 | 82.13 |
| 75 | 82.69 |
| 76 | 83.24 |
| 77 | 83.81 |
| 78 | 84.38 |
| 79 | 84.93 |
| 80 | 85.49 |
| 81 | 86.04 |
| 82 | 86.61 |
| 83 | 87.16 |
| 84 | 87.70 |
| 85 | 88.22 |
| 86 | 88.75 |
| 87 | 89.24 |
| 88 | 89.72 |
| 89 | 90.17 |
| 90 | 90.57 |
| 91 | 90.95 |
| 92 | 91.31 |
| 93 | 91.62 |
| 94 | 91.93 |
| 95 | 92.21 |
| 96 | 92.49 |
| 97 | 92.68 |
| 98 | 92.92 |

| SLE Self-Care RAW | Total Self Care |
|-------------------|-----------------|
| 99 | 108.70 |
| 100 | 109.02 |
| 101 | 109.31 |
| 102 | 109.63 |
| 103 | 109.92 |
| 104 | 110.24 |
| 105 | 110.56 |
| 106 | 110.85 |
| 107 | 111.17 |
| 108 | 111.49 |
| 109 | 111.81 |
| 110 | 112.13 |
| 111 | 112.45 |
| 112 | 112.77 |
| 113 | 113.09 |
| 114 | 113.41 |
| 115 | 113.73 |
| 116 | 114.08 |
| 117 | 114.40 |
| 118 | 114.72 |
| 119 | 115.07 |
| 120 | 115.39 |
| 121 | 115.71 |
| 122 | 116.03 |
| 123 | 116.35 |
| 124 | 116.67 |
| 125 | 116.99 |
| 126 | 117.31 |
| 127 | 117.63 |
| 128 | 117.92 |
| 129 | 118.24 |
| 130 | 118.53 |
| 131 | 118.82 |

| SLE Mobility RAW | Total Mobility |
|------------------|----------------|
| 99 | 93.21 |
| 100 | 93.44 |
| 101 | 93.68 |
| 102 | 93.92 |
| 103 | 94.08 |
| 104 | 94.30 |
| 105 | 94.51 |
| 106 | 94.75 |
| 107 | 94.99 |
| 108 | 95.25 |
| 109 | 95.51 |
| 110 | 95.77 |
| 111 | 96.10 |
| 112 | 96.39 |
| 113 | 96.72 |
| 114 | 97.07 |
| 115 | 97.48 |
| 116 | 97.93 |
| 117 | 98.45 |
| 118 | 99.02 |
| 119 | 99.66 |
| 120 | 100.37 |
| 121 | 101.11 |
| 122 | 101.87 |
| 123 | 102.63 |
| 124 | 103.43 |
| 125 | 104.26 |
| 126 | 105.09 |
| 127 | 106.00 |
| 128 | 106.92 |
| 129 | 107.92 |
| 130 | 108.96 |
| 131 | 110.10 |

| SLE Self-Care RAW | Total Self Care |
|-------------------|-----------------|
| 132 | 119.11 |
| 133 | 119.37 |
| 134 | 119.67 |
| 135 | 119.93 |
| 136 | 120.19 |
| 137 | 120.45 |
| 138 | 120.71 |
| 139 | 120.97 |
| 140 | 121.21 |
| 141 | 121.47 |
| 142 | 121.73 |
| 143 | 121.96 |
| 144 | 122.23 |
| 145 | 122.46 |
| 146 | 122.72 |
| 147 | 122.98 |
| 148 | 123.24 |
| 149 | 123.51 |
| 150 | 123.77 |
| 151 | 124.03 |
| 152 | 124.32 |
| 153 | 124.61 |
| 154 | 124.90 |
| 155 | 125.22 |
| 156 | 125.54 |
| 157 | 125.89 |
| 158 | 126.24 |
| 159 | 126.62 |
| 160 | 127.00 |
| 161 | 127.43 |
| 162 | 127.84 |
| 163 | 128.31 |
| 164 | 128.77 |

| SLE Mobility RAW | Total Mobility |
|------------------|----------------|
| 132 | 111.29 |
| 133 | 112.59 |
| 134 | 113.99 |
| 135 | 115.39 |
| 136 | 116.82 |
| 137 | 118.26 |
| 138 | 119.66 |
| 139 | 121.09 |
| 140 | 122.51 |
| 141 | 124.01 |
| 142 | 125.62 |
| 143 | 127.52 |
| 144 | 129.70 |
| 145 | 132.79 |
| 146 | 138.03 |
| 147 | 147.00 |

| SLE Self-Care RAW | Total Self Care |
|-------------------|-----------------|
| 165 | 129.27 |
| 166 | 129.76 |
| 167 | 130.28 |
| 168 | 130.81 |
| 169 | 131.36 |
| 170 | 131.94 |
| 171 | 132.50 |
| 172 | 133.08 |
| 173 | 133.69 |
| 174 | 134.30 |
| 175 | 134.91 |
| 176 | 135.52 |
| 177 | 136.13 |
| 178 | 136.80 |
| 179 | 137.44 |
| 180 | 138.11 |
| 181 | 138.78 |
| 182 | 139.48 |
| 183 | 140.18 |
| 184 | 140.90 |
| 185 | 141.63 |
| 186 | 142.39 |
| 187 | 143.17 |
| 188 | 143.99 |
| 189 | 144.83 |
| 190 | 145.70 |
| 191 | 146.64 |
| 192 | 147.57 |
| 193 | 148.59 |
| 194 | 149.63 |
| 195 | 150.74 |
| 196 | 151.90 |
| 197 | 153.12 |

| SLE Self-Care RAW | Total Self Care |
|-------------------|-----------------|
| 198 | 154.35 |
| 199 | 155.63 |
| 200 | 156.94 |
| 201 | 158.24 |
| 202 | 159.55 |
| 203 | 160.92 |
| 204 | 162.29 |
| 205 | 163.71 |
| 206 | 165.31 |
| 207 | 167.06 |
| 208 | 169.10 |
| 209 | 171.63 |
| 210 | 175.12 |
| 211 | 180.68 |
| 212 | 191.56 |
| 213 | 213.00 |

**APPENDIX 5: RASCH TRANSFORMATION TABLE
FOR SYSTEMIC SCLEROSIS.**

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| SS Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | SS Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|------------------------|-----------------------|----------|---------------|------------|-----------|------------|--------------|--------------|-----------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 21.02 | 3.41 | 2.44 | 3.28 | 4.24 | 3.27 | 3.89 | 2.30 | 1 | 15.07 | 3.49 | 3.85 | 2.33 | 0.37 | 4.55 |
| 2 | 33.97 | 5.91 | 7.14 | 5.55 | 7.16 | 5.55 | 6.63 | 3.99 | 2 | 25.07 | 5.84 | 6.62 | 4.10 | 0.74 | 8.13 |
| 3 | 41.95 | 7.73 | 16.14 | 7.12 | 9.15 | 7.13 | 8.57 | 5.22 | 3 | 31.71 | 7.43 | 8.60 | 5.45 | 1.10 | 10.94 |
| 4 | 47.83 | 9.28 | 16.21 | 8.40 | 10.74 | 8.41 | 10.15 | 6.29 | 4 | 36.68 | 8.67 | 10.24 | 6.61 | 1.29 | 13.34 |
| 5 | 51.94 | 10.74 | 16.24 | 9.51 | 12.09 | 9.53 | 11.55 | 7.26 | 5 | 40.60 | 9.70 | 11.68 | 7.72 | 1.51 | 15.57 |
| 6 | 55.41 | 12.13 | 16.25 | 10.57 | 13.33 | 10.55 | 12.83 | 8.19 | 6 | 43.78 | 10.59 | 12.97 | 8.81 | 1.81 | 17.02 |
| 7 | 58.34 | 13.53 | 16.25 | 11.57 | 14.48 | 11.55 | 14.02 | 9.10 | 7 | 46.50 | 11.37 | 14.13 | 9.88 | 1.92 | 17.55 |
| 8 | 60.84 | 14.92 | 16.37 | 12.54 | 15.61 | 12.51 | 15.12 | 9.97 | 8 | 48.83 | 12.08 | 15.14 | 10.90 | 2.12 | 17.88 |
| 9 | 63.00 | 16.31 | 16.42 | 13.50 | 16.70 | 13.44 | 16.16 | 10.79 | 9 | 50.88 | 12.70 | 16.03 | 11.82 | 2.29 | 18.13 |
| 10 | 64.95 | 17.66 | 16.45 | 14.45 | 17.78 | 14.35 | 17.09 | 11.53 | 10 | 52.71 | 13.27 | 16.79 | 12.58 | 2.48 | 18.32 |
| 11 | 66.96 | 18.97 | 16.50 | 15.39 | 18.85 | 15.23 | 17.93 | 12.20 | 11 | 54.34 | 13.79 | 17.42 | 13.21 | 2.75 | 18.54 |
| 12 | 68.27 | 20.24 | 16.53 | 16.29 | 19.91 | 16.07 | 18.66 | 12.83 | 12 | 55.83 | 14.26 | 17.96 | 13.77 | 2.93 | 18.69 |
| 13 | 69.73 | 21.47 | 16.57 | 17.18 | 20.93 | 16.86 | 19.29 | 13.42 | 13 | 57.20 | 14.72 | 18.44 | 14.30 | 3.11 | 18.86 |
| 14 | 71.10 | 22.66 | 16.60 | 18.04 | 21.95 | 17.58 | 19.84 | 14.05 | 14 | 58.44 | 15.15 | 18.85 | 14.82 | 3.30 | 19.06 |
| 15 | 72.35 | 23.81 | 16.60 | 18.88 | 22.92 | 18.25 | 20.33 | 14.69 | 15 | 59.60 | 15.58 | 19.22 | 15.36 | 3.50 | 19.24 |
| 16 | 73.54 | 24.69 | 16.60 | 19.70 | 23.88 | 18.85 | 20.77 | 15.49 | 16 | 60.68 | 16.00 | 19.56 | 15.96 | 3.69 | 19.39 |
| 17 | 74.64 | 25.33 | 16.64 | 20.48 | 24.80 | 19.40 | 21.14 | 16.56 | 17 | 61.67 | 16.41 | 19.89 | 16.81 | 3.91 | 19.63 |
| 18 | 75.67 | 25.80 | 16.70 | 21.23 | 25.71 | 19.93 | 21.52 | 18.00 | 18 | 62.60 | 16.82 | 20.21 | 18.00 | 4.15 | 19.83 |
| 19 | 76.68 | 26.18 | 16.72 | 21.93 | 26.58 | 20.42 | 21.92 | | 19 | 63.47 | 17.24 | 20.51 | | 4.46 | 20.11 |
| 20 | 77.62 | 26.51 | 16.75 | 22.62 | 27.41 | 20.96 | 22.27 | | 20 | 64.26 | 17.68 | 20.81 | | 4.83 | 20.48 |
| 21 | 78.53 | 26.83 | 16.83 | 23.27 | 28.21 | 21.44 | 22.64 | | 21 | 65.00 | 18.14 | 21.10 | | 5.32 | 21.00 |
| 22 | 79.42 | 27.10 | 16.86 | 23.86 | 28.98 | 21.97 | 23.08 | | 22 | 65.69 | 18.64 | 21.42 | | 6.06 | |
| 23 | 80.24 | 27.38 | 16.87 | 24.43 | 29.71 | 22.59 | 23.53 | | 23 | 66.31 | 19.20 | 21.76 | | 7.00 | |
| 24 | 81.06 | 27.61 | 17.02 | 24.99 | 30.39 | 23.26 | 24.05 | | 24 | 66.89 | 19.80 | 22.11 | | 8.19 | |
| 25 | 81.86 | 27.89 | 17.00 | 25.50 | 31.02 | 24.09 | 24.70 | | 25 | 67.38 | 20.45 | 22.50 | | 9.40 | |
| 26 | 82.59 | 28.20 | 17.00 | 26.06 | 31.60 | 25.29 | 25.64 | | 26 | 67.84 | 21.20 | 22.93 | | 10.63 | |
| 27 | 83.35 | 28.54 | 17.07 | 26.61 | 32.13 | 27.00 | 27.00 | | 27 | 68.27 | 22.03 | 23.43 | | 11.92 | |
| 28 | 84.05 | 28.95 | 17.07 | 27.21 | 32.64 | | | | 28 | 68.67 | 22.97 | 24.01 | | 13.29 | |
| 29 | 84.75 | 29.43 | 17.01 | 27.84 | 33.08 | | | | 29 | 69.02 | 24.06 | 24.68 | | 14.73 | |
| 30 | 85.45 | 30.00 | 17.04 | 28.60 | 33.53 | | | | 30 | 69.35 | 25.34 | 25.47 | | 16.26 | |
| 31 | 86.33 | | 17.11 | 29.53 | 33.96 | | | | 31 | 69.66 | 27.00 | 26.38 | | 17.87 | |

| SS Self- Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | SS Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|----------------------------|-----------------------|----------|---------------|------------|-----------|------------|--------------|--------------|-----------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 32 | 87.00 | | 17.24 | 30.93 | 34.38 | | | | 32 | 69.93 | 29.42 | 27.46 | | 19.56 | |
| 33 | 87.43 | | 21.92 | 33.00 | 34.84 | | | | 33 | 70.20 | 33.00 | 28.72 | | 21.31 | |
| 34 | 88.34 | | 25.46 | | 35.29 | | | | 34 | 70.45 | | 30.32 | | 23.17 | |
| 35 | 88.68 | | 30.06 | | 35.68 | | | | 35 | 70.69 | | 32.63 | | 25.12 | |
| 36 | 89.29 | | 36.00 | | 36.19 | | | | 36 | 70.92 | | 36.00 | | 27.33 | |
| 37 | 89.90 | | | | 36.66 | | | | 37 | 71.13 | | | | 30.00 | |
| 38 | 90.48 | | | | 37.31 | | | | 38 | 71.34 | | | | 33.75 | |
| 39 | 91.06 | | | | 37.97 | | | | 39 | 71.52 | | | | 39.00 | |
| 40 | 91.63 | | | | 38.85 | | | | 40 | 71.73 | | | | | |
| 41 | 92.21 | | | | 40.13 | | | | 41 | 71.92 | | | | | |
| 42 | 92.79 | | | | 42.00 | | | | 42 | 72.06 | | | | | |
| 43 | 93.34 | | | | | | | | 43 | 72.25 | | | | | |
| 44 | 93.89 | | | | | | | | 44 | 72.43 | | | | | |
| 45 | 94.44 | | | | | | | | 45 | 72.60 | | | | | |
| 46 | 94.98 | | | | | | | | 46 | 72.79 | | | | | |
| 47 | 95.53 | | | | | | | | 47 | 72.97 | | | | | |
| 48 | 96.05 | | | | | | | | 48 | 73.14 | | | | | |
| 49 | 96.60 | | | | | | | | 49 | 73.30 | | | | | |
| 50 | 97.12 | | | | | | | | 50 | 73.49 | | | | | |
| 51 | 97.64 | | | | | | | | 51 | 73.66 | | | | | |
| 52 | 98.15 | | | | | | | | 52 | 73.80 | | | | | |
| 53 | 98.64 | | | | | | | | 53 | 73.99 | | | | | |
| 54 | 99.16 | | | | | | | | 54 | 74.17 | | | | | |
| 55 | 99.68 | | | | | | | | 55 | 74.36 | | | | | |
| 56 | 100.16 | | | | | | | | 56 | 74.55 | | | | | |
| 57 | 100.65 | | | | | | | | 57 | 74.75 | | | | | |
| 58 | 101.14 | | | | | | | | 58 | 74.96 | | | | | |
| 59 | 101.63 | | | | | | | | 59 | 75.17 | | | | | |
| 60 | 102.11 | | | | | | | | 60 | 75.37 | | | | | |
| 61 | 102.57 | | | | | | | | 61 | 75.58 | | | | | |
| 62 | 103.06 | | | | | | | | 62 | 75.81 | | | | | |
| 63 | 103.51 | | | | | | | | 63 | 76.06 | | | | | |

| SS Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 64 | 104.00 |
| 65 | 104.46 |
| 66 | 104.92 |
| 67 | 105.37 |
| 68 | 105.80 |
| 69 | 106.26 |
| 70 | 106.68 |
| 71 | 107.14 |
| 72 | 107.57 |
| 73 | 108.02 |
| 74 | 108.45 |
| 75 | 108.88 |
| 76 | 109.33 |
| 77 | 109.73 |
| 78 | 110.16 |
| 79 | 110.61 |
| 80 | 111.07 |
| 81 | 111.56 |
| 82 | 112.01 |
| 83 | 112.59 |
| 84 | 113.02 |
| 85 | 113.42 |
| 86 | 113.75 |
| 87 | 114.02 |
| 88 | 114.27 |
| 89 | 114.51 |
| 90 | 114.69 |
| 91 | 114.88 |
| 92 | 115.06 |
| 93 | 115.21 |
| 94 | 115.33 |
| 95 | 115.46 |

| SS Mobility RAW | Total Mobility |
|-----------------------|-------------------|
| 64 | 76.28 |
| 65 | 76.55 |
| 66 | 76.80 |
| 67 | 77.07 |
| 68 | 77.34 |
| 69 | 77.63 |
| 70 | 77.92 |
| 71 | 78.21 |
| 72 | 78.50 |
| 73 | 78.79 |
| 74 | 79.08 |
| 75 | 79.37 |
| 76 | 79.66 |
| 77 | 79.97 |
| 78 | 80.26 |
| 79 | 80.55 |
| 80 | 80.84 |
| 81 | 81.13 |
| 82 | 81.44 |
| 83 | 81.73 |
| 84 | 82.02 |
| 85 | 82.31 |
| 86 | 82.60 |
| 87 | 82.91 |
| 88 | 83.20 |
| 89 | 83.51 |
| 90 | 83.80 |
| 91 | 84.11 |
| 92 | 84.42 |
| 93 | 84.73 |
| 94 | 85.04 |
| 95 | 85.35 |

| SS Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 96 | 115.55 |
| 97 | 115.76 |
| 98 | 115.88 |
| 99 | 116.00 |
| 100 | 116.04 |
| 101 | 116.13 |
| 102 | 116.22 |
| 103 | 116.31 |
| 104 | 116.40 |
| 105 | 116.49 |
| 106 | 116.61 |
| 107 | 116.83 |
| 108 | 116.89 |
| 109 | 116.86 |
| 110 | 116.98 |
| 111 | 117.16 |
| 112 | 117.13 |
| 113 | 117.28 |
| 114 | 117.47 |
| 115 | 117.44 |
| 116 | 117.53 |
| 117 | 117.74 |
| 118 | 117.83 |
| 119 | 117.92 |
| 120 | 118.05 |
| 121 | 118.08 |
| 122 | 118.23 |
| 123 | 118.35 |
| 124 | 118.50 |
| 125 | 118.69 |
| 126 | 118.81 |
| 127 | 118.96 |

| SS Mobility RAW | Total Mobility |
|-----------------------|-------------------|
| 96 | 85.68 |
| 97 | 86.01 |
| 98 | 86.35 |
| 99 | 86.70 |
| 100 | 87.05 |
| 101 | 87.40 |
| 102 | 87.77 |
| 103 | 88.15 |
| 104 | 88.52 |
| 105 | 88.91 |
| 106 | 89.33 |
| 107 | 89.74 |
| 108 | 90.15 |
| 109 | 90.59 |
| 110 | 91.04 |
| 111 | 91.50 |
| 112 | 91.98 |
| 113 | 92.45 |
| 114 | 92.95 |
| 115 | 93.45 |
| 116 | 93.96 |
| 117 | 94.50 |
| 118 | 95.04 |
| 119 | 95.58 |
| 120 | 96.16 |
| 121 | 96.74 |
| 122 | 97.32 |
| 123 | 97.92 |
| 124 | 98.54 |
| 125 | 99.16 |
| 126 | 99.80 |
| 127 | 100.46 |

| SS Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 128 | 119.14 |
| 129 | 119.39 |
| 130 | 119.63 |
| 131 | 119.90 |
| 132 | 120.21 |
| 133 | 120.51 |
| 134 | 120.85 |
| 135 | 121.15 |
| 136 | 121.49 |
| 137 | 121.82 |
| 138 | 122.25 |
| 139 | 122.58 |
| 140 | 122.95 |
| 141 | 123.29 |
| 142 | 123.62 |
| 143 | 123.96 |
| 144 | 124.29 |
| 145 | 124.60 |
| 146 | 124.93 |
| 147 | 125.23 |
| 148 | 125.57 |
| 149 | 125.87 |
| 150 | 126.18 |
| 151 | 126.51 |
| 152 | 126.82 |
| 153 | 127.12 |
| 154 | 127.46 |
| 155 | 127.76 |
| 156 | 128.07 |
| 157 | 128.37 |
| 158 | 128.71 |
| 159 | 129.01 |

| SS Mobility RAW | Total Mobility |
|-----------------------|-------------------|
| 128 | 101.13 |
| 129 | 101.83 |
| 130 | 102.55 |
| 131 | 103.30 |
| 132 | 104.07 |
| 133 | 104.87 |
| 134 | 105.74 |
| 135 | 106.65 |
| 136 | 107.65 |
| 137 | 108.70 |
| 138 | 109.86 |
| 139 | 111.17 |
| 140 | 112.66 |
| 141 | 114.35 |
| 142 | 116.38 |
| 143 | 118.91 |
| 144 | 122.18 |
| 145 | 126.80 |
| 146 | 134.43 |
| 147 | 147.00 |

| SS Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 160 | 129.32 |
| 161 | 129.65 |
| 162 | 129.96 |
| 163 | 130.26 |
| 164 | 130.60 |
| 165 | 130.90 |
| 166 | 131.24 |
| 167 | 131.54 |
| 168 | 131.88 |
| 169 | 132.18 |
| 170 | 132.52 |
| 171 | 132.85 |
| 172 | 133.19 |
| 173 | 133.52 |
| 174 | 133.86 |
| 175 | 134.19 |
| 176 | 134.56 |
| 177 | 134.89 |
| 178 | 135.26 |
| 179 | 135.62 |
| 180 | 135.99 |
| 181 | 136.35 |
| 182 | 136.75 |
| 183 | 137.15 |
| 184 | 137.54 |
| 185 | 137.97 |
| 186 | 138.43 |
| 187 | 138.85 |
| 188 | 139.34 |
| 189 | 139.83 |
| 190 | 140.31 |
| 191 | 140.86 |

| SS Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 192 | 141.44 |
| 193 | 142.05 |
| 194 | 142.69 |
| 195 | 143.39 |
| 196 | 144.12 |
| 197 | 144.94 |
| 198 | 145.80 |
| 199 | 146.74 |
| 200 | 147.81 |
| 201 | 148.97 |
| 202 | 150.25 |
| 203 | 151.68 |
| 204 | 153.29 |
| 205 | 155.15 |
| 206 | 157.28 |
| 207 | 159.81 |
| 208 | 162.89 |
| 209 | 166.82 |
| 210 | 172.03 |
| 211 | 179.61 |
| 212 | 192.19 |
| 213 | 213.00 |

**APPENDIX 6: RASCH TRANSFORMATION TABLE
FOR CHRONIC PAIN CONDITIONS.**

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| CP Self- Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | CP Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|----------------------------|-----------------------|----------|---------------|------------|-----------|------------|--------------|--------------|-----------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 19.53 | 2.77 | 3.03 | 2.83 | 4.15 | 3.06 | 3.14 | 1.52 | 1 | 14.38 | 4.13 | 3.98 | 2.18 | 2.62 | 3.55 |
| 2 | 32.27 | 4.69 | 5.25 | 4.77 | 6.99 | 5.39 | 5.30 | 2.81 | 2 | 23.30 | 7.02 | 6.85 | 3.85 | 4.40 | 6.11 |
| 3 | 40.57 | 6.01 | 6.84 | 6.11 | 8.92 | 7.14 | 6.77 | 3.93 | 3 | 28.85 | 9.05 | 8.92 | 5.13 | 5.59 | 7.94 |
| 4 | 46.72 | 7.07 | 8.14 | 7.18 | 10.48 | 8.63 | 7.93 | 4.93 | 4 | 32.84 | 10.70 | 10.68 | 6.31 | 6.55 | 9.45 |
| 5 | 51.57 | 8.00 | 9.25 | 8.10 | 11.81 | 9.92 | 8.93 | 5.99 | 5 | 35.97 | 12.17 | 12.26 | 7.45 | 7.35 | 10.76 |
| 6 | 55.54 | 8.87 | 10.32 | 8.93 | 13.01 | 11.01 | 9.82 | 7.30 | 6 | 38.52 | 13.53 | 13.78 | 8.61 | 8.08 | 11.91 |
| 7 | 58.88 | 9.71 | 11.40 | 9.69 | 14.13 | 11.92 | 10.63 | 9.17 | 7 | 40.67 | 14.82 | 15.25 | 9.77 | 8.75 | 12.88 |
| 8 | 61.75 | 10.54 | 12.46 | 10.41 | 15.20 | 12.66 | 11.38 | 13.05 | 8 | 42.56 | 16.09 | 16.69 | 10.89 | 9.39 | 13.69 |
| 9 | 64.22 | 11.36 | 13.61 | 11.08 | 16.21 | 13.25 | 12.09 | 14.42 | 9 | 44.22 | 17.32 | 18.10 | 11.94 | 10.02 | 14.33 |
| 10 | 66.40 | 12.21 | 14.82 | 11.73 | 17.19 | 13.75 | 12.75 | 14.98 | 10 | 45.73 | 18.51 | 19.45 | 12.84 | 10.64 | 14.87 |
| 11 | 68.31 | 13.05 | 16.16 | 12.34 | 18.12 | 14.16 | 13.37 | 15.40 | 11 | 47.08 | 19.65 | 20.76 | 13.55 | 11.25 | 15.35 |
| 12 | 70.05 | 13.90 | 17.58 | 12.93 | 19.01 | 14.54 | 13.97 | 15.82 | 12 | 48.33 | 20.74 | 22.02 | 14.13 | 11.85 | 15.76 |
| 13 | 71.62 | 14.74 | 19.08 | 13.50 | 19.85 | 14.89 | 14.55 | 16.10 | 13 | 49.48 | 21.78 | 23.22 | 14.64 | 12.46 | 16.15 |
| 14 | 73.07 | 15.58 | 20.63 | 14.06 | 20.67 | 15.21 | 15.10 | 16.46 | 14 | 50.55 | 22.77 | 24.36 | 15.13 | 13.06 | 16.51 |
| 15 | 74.38 | 16.42 | 22.21 | 14.62 | 21.44 | 15.54 | 15.65 | 16.77 | 15 | 51.57 | 23.69 | 25.45 | 15.64 | 13.66 | 16.88 |
| 16 | 75.59 | 17.23 | 23.78 | 15.16 | 22.17 | 15.87 | 16.20 | 17.18 | 16 | 52.50 | 24.52 | 26.48 | 16.21 | 14.26 | 17.29 |
| 17 | 76.76 | 18.02 | 25.41 | 15.72 | 22.88 | 16.22 | 16.75 | 17.58 | 17 | 53.41 | 25.23 | 27.47 | 16.98 | 14.88 | 17.70 |
| 18 | 77.83 | 18.78 | 27.12 | 16.29 | 23.55 | 16.61 | 17.28 | 18.00 | 18 | 54.25 | 25.84 | 28.39 | 18.00 | 15.50 | 18.22 |
| 19 | 78.84 | 19.53 | 28.74 | 16.88 | 24.20 | 17.04 | 17.86 | | 19 | 55.05 | 26.36 | 29.20 | | 16.13 | 18.82 |
| 20 | 79.80 | 20.23 | 29.75 | 17.48 | 24.81 | 17.55 | 18.44 | | 20 | 55.83 | 26.79 | 29.88 | | 16.78 | 19.71 |
| 21 | 80.70 | 20.90 | 30.40 | 18.11 | 25.41 | 18.17 | 19.06 | | 21 | 56.58 | 27.19 | 30.42 | | 17.44 | 21.00 |
| 22 | 81.57 | 21.57 | 30.87 | 18.78 | 26.00 | 18.93 | 19.74 | | 22 | 57.29 | 27.60 | 30.87 | | 18.13 | |
| 23 | 82.41 | 22.21 | 31.27 | 19.49 | 26.56 | 19.86 | 20.51 | | 23 | 57.98 | 27.90 | 31.23 | | 18.84 | |
| 24 | 83.20 | 22.85 | 31.69 | 20.25 | 27.11 | 20.99 | 21.43 | | 24 | 58.64 | 28.23 | 31.56 | | 19.58 | |
| 25 | 83.95 | 23.57 | 31.95 | 21.05 | 27.64 | 22.38 | 22.61 | | 25 | 59.29 | 28.57 | 31.86 | | 20.35 | |
| 26 | 84.68 | 24.28 | 32.34 | 21.92 | 28.17 | 24.31 | 24.37 | | 26 | 59.91 | 28.94 | 32.18 | | 21.14 | |
| 27 | 85.40 | 25.15 | 32.55 | 22.84 | 28.69 | 27.00 | 27.00 | | 27 | 60.51 | 29.31 | 32.41 | | 21.98 | |
| 28 | 86.07 | 26.21 | 32.95 | 23.84 | 29.20 | | | | 28 | 61.11 | 29.62 | 32.67 | | 22.85 | |
| 29 | 86.74 | 27.74 | 33.14 | 24.94 | 29.69 | | | | 29 | 61.68 | 30.05 | 33.00 | | 23.76 | |
| 30 | 87.38 | 30.00 | 33.55 | 26.18 | 30.20 | | | | 30 | 62.26 | 30.56 | 33.24 | | 24.71 | |
| 31 | 87.99 | | 33.77 | 27.72 | 30.72 | | | | 31 | 62.82 | 31.12 | 33.53 | | 25.71 | |

| CP Self- Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | CP Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|----------------------------|-----------------------|----------|---------------|------------|-----------|------------|--------------|--------------|-----------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 32 | 88.60 | | 34.16 | 29.90 | 31.23 | | | | 32 | 63.35 | 31.92 | 33.87 | | 26.74 | |
| 33 | 89.18 | | 34.56 | 33.00 | 31.75 | | | | 33 | 63.88 | 33.00 | 34.27 | | 27.82 | |
| 34 | 89.76 | | 34.97 | | 32.32 | | | | 34 | 64.39 | | 34.71 | | 28.95 | |
| 35 | 90.31 | | 35.43 | | 32.89 | | | | 35 | 64.90 | | 35.28 | | 30.17 | |
| 36 | 90.86 | | 36.00 | | 33.53 | | | | 36 | 65.39 | | 36.00 | | 31.56 | |
| 37 | 91.38 | | | | 34.19 | | | | 37 | 65.90 | | | | 33.24 | |
| 38 | 91.90 | | | | 34.99 | | | | 38 | 66.37 | | | | 35.63 | |
| 39 | 92.40 | | | | 35.95 | | | | 39 | 66.85 | | | | 39.00 | |
| 40 | 92.89 | | | | 37.20 | | | | 40 | 67.32 | | | | | |
| 41 | 93.38 | | | | 39.11 | | | | 41 | 67.76 | | | | | |
| 42 | 93.88 | | | | 42.00 | | | | 42 | 68.23 | | | | | |
| 43 | 94.34 | | | | | | | | 43 | 68.67 | | | | | |
| 44 | 94.78 | | | | | | | | 44 | 69.10 | | | | | |
| 45 | 95.24 | | | | | | | | 45 | 69.54 | | | | | |
| 46 | 95.68 | | | | | | | | 46 | 69.96 | | | | | |
| 47 | 96.11 | | | | | | | | 47 | 70.40 | | | | | |
| 48 | 96.55 | | | | | | | | 48 | 70.83 | | | | | |
| 49 | 96.95 | | | | | | | | 49 | 71.25 | | | | | |
| 50 | 97.39 | | | | | | | | 50 | 71.67 | | | | | |
| 51 | 97.79 | | | | | | | | 51 | 72.09 | | | | | |
| 52 | 98.17 | | | | | | | | 52 | 72.51 | | | | | |
| 53 | 98.58 | | | | | | | | 53 | 72.93 | | | | | |
| 54 | 98.98 | | | | | | | | 54 | 73.36 | | | | | |
| 55 | 99.36 | | | | | | | | 55 | 73.78 | | | | | |
| 56 | 99.74 | | | | | | | | 56 | 74.20 | | | | | |
| 57 | 100.12 | | | | | | | | 57 | 74.62 | | | | | |
| 58 | 100.49 | | | | | | | | 58 | 75.06 | | | | | |
| 59 | 100.87 | | | | | | | | 59 | 75.49 | | | | | |
| 60 | 101.22 | | | | | | | | 60 | 75.93 | | | | | |
| 61 | 101.60 | | | | | | | | 61 | 76.40 | | | | | |
| 62 | 101.94 | | | | | | | | 62 | 76.84 | | | | | |
| 63 | 102.29 | | | | | | | | 63 | 77.31 | | | | | |

| CP Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 64 | 102.64 |
| 65 | 102.99 |
| 66 | 103.34 |
| 67 | 103.69 |
| 68 | 104.00 |
| 69 | 104.35 |
| 70 | 104.70 |
| 71 | 105.02 |
| 72 | 105.34 |
| 73 | 105.69 |
| 74 | 106.01 |
| 75 | 106.33 |
| 76 | 106.65 |
| 77 | 106.96 |
| 78 | 107.28 |
| 79 | 107.60 |
| 80 | 107.92 |
| 81 | 108.24 |
| 82 | 108.56 |
| 83 | 108.88 |
| 84 | 109.20 |
| 85 | 109.52 |
| 86 | 109.81 |
| 87 | 110.13 |
| 88 | 110.45 |
| 89 | 110.77 |
| 90 | 111.09 |
| 91 | 111.38 |
| 92 | 111.69 |
| 93 | 112.01 |
| 94 | 112.30 |
| 95 | 112.62 |

| CP Mobility RAW | Total Mobility |
|-----------------------|-------------------|
| 64 | 77.75 |
| 65 | 78.22 |
| 66 | 78.70 |
| 67 | 79.17 |
| 68 | 79.66 |
| 69 | 80.15 |
| 70 | 80.63 |
| 71 | 81.12 |
| 72 | 81.63 |
| 73 | 82.12 |
| 74 | 82.63 |
| 75 | 83.12 |
| 76 | 83.63 |
| 77 | 84.14 |
| 78 | 84.65 |
| 79 | 85.14 |
| 80 | 85.65 |
| 81 | 86.16 |
| 82 | 86.65 |
| 83 | 87.16 |
| 84 | 87.65 |
| 85 | 88.13 |
| 86 | 88.62 |
| 87 | 89.11 |
| 88 | 89.58 |
| 89 | 90.06 |
| 90 | 90.53 |
| 91 | 90.97 |
| 92 | 91.42 |
| 93 | 91.86 |
| 94 | 92.28 |
| 95 | 92.70 |

| CP Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 96 | 112.94 |
| 97 | 113.26 |
| 98 | 113.55 |
| 99 | 113.87 |
| 100 | 114.19 |
| 101 | 114.51 |
| 102 | 114.80 |
| 103 | 115.12 |
| 104 | 115.44 |
| 105 | 115.76 |
| 106 | 116.05 |
| 107 | 116.37 |
| 108 | 116.69 |
| 109 | 117.00 |
| 110 | 117.32 |
| 111 | 117.64 |
| 112 | 117.96 |
| 113 | 118.28 |
| 114 | 118.60 |
| 115 | 118.92 |
| 116 | 119.24 |
| 117 | 119.56 |
| 118 | 119.88 |
| 119 | 120.23 |
| 120 | 120.55 |
| 121 | 120.86 |
| 122 | 121.18 |
| 123 | 121.53 |
| 124 | 121.85 |
| 125 | 122.20 |
| 126 | 122.52 |
| 127 | 122.87 |

| CP Mobility RAW | Total Mobility |
|-----------------------|-------------------|
| 96 | 93.10 |
| 97 | 93.50 |
| 98 | 93.88 |
| 99 | 94.26 |
| 100 | 94.61 |
| 101 | 94.97 |
| 102 | 95.30 |
| 103 | 95.63 |
| 104 | 95.97 |
| 105 | 96.28 |
| 106 | 96.57 |
| 107 | 96.88 |
| 108 | 97.16 |
| 109 | 97.45 |
| 110 | 97.74 |
| 111 | 98.03 |
| 112 | 98.32 |
| 113 | 98.61 |
| 114 | 98.87 |
| 115 | 99.14 |
| 116 | 99.43 |
| 117 | 99.72 |
| 118 | 100.00 |
| 119 | 100.29 |
| 120 | 100.58 |
| 121 | 100.89 |
| 122 | 101.22 |
| 123 | 101.56 |
| 124 | 101.91 |
| 125 | 102.27 |
| 126 | 102.64 |
| 127 | 103.04 |

| CP Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 128 | 123.21 |
| 129 | 123.56 |
| 130 | 123.88 |
| 131 | 124.23 |
| 132 | 124.58 |
| 133 | 124.93 |
| 134 | 125.30 |
| 135 | 125.65 |
| 136 | 126.00 |
| 137 | 126.38 |
| 138 | 126.76 |
| 139 | 127.10 |
| 140 | 127.48 |
| 141 | 127.86 |
| 142 | 128.24 |
| 143 | 128.64 |
| 144 | 129.02 |
| 145 | 129.43 |
| 146 | 129.83 |
| 147 | 130.24 |
| 148 | 130.64 |
| 149 | 131.05 |
| 150 | 131.49 |
| 151 | 131.89 |
| 152 | 132.33 |
| 153 | 132.76 |
| 154 | 133.20 |
| 155 | 133.66 |
| 156 | 134.10 |
| 157 | 134.56 |
| 158 | 135.03 |
| 159 | 135.49 |

| CP Mobility RAW | Total Mobility |
|-----------------------|-------------------|
| 128 | 103.47 |
| 129 | 103.93 |
| 130 | 104.44 |
| 131 | 104.97 |
| 132 | 105.57 |
| 133 | 106.22 |
| 134 | 106.97 |
| 135 | 107.79 |
| 136 | 108.72 |
| 137 | 109.75 |
| 138 | 110.94 |
| 139 | 112.27 |
| 140 | 113.78 |
| 141 | 115.54 |
| 142 | 117.62 |
| 143 | 120.13 |
| 144 | 123.35 |
| 145 | 127.81 |
| 146 | 135.08 |
| 147 | 147.00 |

| CP Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 160 | 135.98 |
| 161 | 136.45 |
| 162 | 136.94 |
| 163 | 137.41 |
| 164 | 137.90 |
| 165 | 138.39 |
| 166 | 138.89 |
| 167 | 139.38 |
| 168 | 139.87 |
| 169 | 140.37 |
| 170 | 140.83 |
| 171 | 141.32 |
| 172 | 141.79 |
| 173 | 142.25 |
| 174 | 142.72 |
| 175 | 143.15 |
| 176 | 143.59 |
| 177 | 143.99 |
| 178 | 144.40 |
| 179 | 144.81 |
| 180 | 145.18 |
| 181 | 145.56 |
| 182 | 145.94 |
| 183 | 146.29 |
| 184 | 146.69 |
| 185 | 147.04 |
| 186 | 147.39 |
| 187 | 147.71 |
| 188 | 148.11 |
| 189 | 148.46 |
| 190 | 148.81 |
| 191 | 149.19 |

| CP Self- Care RAW | Total Self Care |
|----------------------------|-----------------------|
| 192 | 149.54 |
| 193 | 149.97 |
| 194 | 150.38 |
| 195 | 150.78 |
| 196 | 151.25 |
| 197 | 151.74 |
| 198 | 152.29 |
| 199 | 152.87 |
| 200 | 153.51 |
| 201 | 154.27 |
| 202 | 155.14 |
| 203 | 156.15 |
| 204 | 157.43 |
| 205 | 159.00 |
| 206 | 160.94 |
| 207 | 163.41 |
| 208 | 166.48 |
| 209 | 170.34 |
| 210 | 175.33 |
| 211 | 182.44 |
| 212 | 194.05 |
| 213 | 213.00 |

**APPENDIX 7: RASCH TRANSFORMATION TABLE
FOR CHRONIC UPPER LIMB DISORDERS.**

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| CUL Self- Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | CUL Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|-----------------------------|--------------------|----------|---------------|------------|-----------|------------|--------------|--------------|------------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 23.76 | 4.51 | 4.10 | 5.47 | 4.94 | 3.21 | 3.43 | 2.20 | 1 | 18.83 | 5.71 | 7.39 | 3.61 | 6.33 | 2.35 |
| 2 | 38.22 | 7.62 | 6.90 | 9.16 | 8.29 | 5.34 | 5.77 | 3.81 | 2 | 30.39 | 9.68 | 12.71 | 6.32 | 10.73 | 4.05 |
| 3 | 46.99 | 9.76 | 8.81 | 11.65 | 10.55 | 6.77 | 7.36 | 4.96 | 3 | 37.54 | 12.43 | 16.57 | 8.37 | 13.81 | 5.28 |
| 4 | 53.14 | 11.45 | 10.43 | 13.60 | 12.33 | 7.87 | 8.62 | 5.92 | 4 | 42.54 | 14.63 | 19.75 | 10.22 | 16.30 | 6.33 |
| 5 | 57.81 | 12.89 | 11.85 | 15.25 | 13.82 | 8.76 | 9.69 | 6.80 | 5 | 46.36 | 16.57 | 22.57 | 12.34 | 18.46 | 7.28 |
| 6 | 61.49 | 14.16 | 13.14 | 16.70 | 15.15 | 9.52 | 10.66 | 7.65 | 6 | 49.42 | 18.77 | 29.34 | 14.12 | 20.54 | 8.20 |
| 7 | 64.56 | 15.28 | 14.45 | 18.02 | 16.36 | 10.19 | 11.55 | 8.49 | 7 | 51.97 | 20.21 | 28.55 | 14.78 | 22.83 | 9.16 |
| 8 | 67.15 | 16.25 | 15.75 | 19.25 | 17.51 | 10.80 | 12.41 | 9.33 | 8 | 54.34 | 21.70 | 31.29 | 15.20 | 24.37 | 10.14 |
| 9 | 69.41 | 17.10 | 17.09 | 20.39 | 18.63 | 11.34 | 13.22 | 10.13 | 9 | 55.99 | 23.38 | 31.70 | 15.52 | 25.00 | 11.15 |
| 10 | 71.39 | 17.81 | 18.50 | 21.44 | 19.68 | 11.84 | 14.02 | 10.88 | 10 | 57.67 | 26.03 | 32.01 | 15.80 | 25.35 | 12.14 |
| 11 | 73.16 | 18.43 | 19.94 | 22.32 | 20.72 | 12.32 | 14.78 | 11.59 | 11 | 59.14 | 27.74 | 32.23 | 16.05 | 25.63 | 13.02 |
| 12 | 74.75 | 18.97 | 21.42 | 23.09 | 21.73 | 12.78 | 15.50 | 12.25 | 12 | 60.47 | 28.36 | 32.35 | 16.36 | 25.80 | 13.78 |
| 13 | 76.20 | 19.44 | 22.91 | 23.73 | 22.71 | 13.22 | 16.18 | 12.89 | 13 | 61.72 | 28.78 | 32.50 | 16.56 | 25.96 | 14.47 |
| 14 | 77.54 | 19.85 | 24.43 | 24.26 | 23.65 | 13.67 | 16.82 | 13.58 | 14 | 62.87 | 29.05 | 32.64 | 15.71 | 26.15 | 15.09 |
| 15 | 78.74 | 20.24 | 25.98 | 24.72 | 24.57 | 14.13 | 17.41 | 14.28 | 15 | 63.94 | 29.40 | 32.78 | 17.12 | 26.36 | 15.73 |
| 16 | 79.91 | 20.60 | 27.75 | 25.14 | 25.43 | 14.57 | 17.99 | 15.16 | 16 | 64.98 | 29.54 | 32.96 | 17.42 | 26.52 | 16.30 |
| 17 | 80.97 | 20.94 | 29.46 | 25.53 | 26.27 | 15.05 | 18.52 | 16.37 | 17 | 65.94 | 29.73 | 33.04 | 17.72 | 26.64 | 16.94 |
| 18 | 82.00 | 21.27 | 30.56 | 25.88 | 27.09 | 15.56 | 19.05 | 18.00 | 18 | 66.86 | 30.03 | 33.15 | 18.00 | 26.71 | 17.67 |
| 19 | 82.92 | 21.60 | 31.18 | 26.21 | 27.83 | 16.12 | 19.54 | | 19 | 67.76 | 30.23 | 33.26 | | 26.90 | 18.46 |
| 20 | 83.84 | 21.92 | 31.62 | 26.54 | 28.55 | 16.72 | 20.08 | | 20 | 68.63 | 30.29 | 33.48 | | 26.94 | 19.54 |
| 21 | 84.68 | 22.30 | 31.98 | 26.85 | 29.22 | 17.40 | 20.62 | | 21 | 69.47 | 30.45 | 33.51 | | 27.05 | 21.00 |
| 22 | 85.50 | 22.62 | 32.27 | 27.15 | 29.82 | 18.18 | 21.19 | | 22 | 70.28 | 30.65 | 33.57 | | 27.17 | |
| 23 | 86.27 | 23.00 | 32.55 | 27.48 | 30.39 | 19.09 | 21.85 | | 23 | 71.29 | 30.93 | 33.69 | | 27.29 | |
| 24 | 87.05 | 23.42 | 32.81 | 27.70 | 30.90 | 20.19 | 22.60 | | 24 | 71.84 | 30.98 | 33.81 | | 27.51 | |
| 25 | 87.76 | 23.91 | 33.14 | 28.08 | 31.41 | 21.63 | 23.55 | | 25 | 72.62 | 31.22 | 33.99 | | 27.53 | |
| 26 | 88.47 | 24.43 | 33.39 | 28.36 | 31.84 | 23.78 | 24.95 | | 26 | 73.37 | 31.33 | 34.07 | | 27.74 | |
| 27 | 89.14 | 25.13 | 33.63 | 28.72 | 32.25 | 27.00 | 27.00 | | 27 | 74.09 | 30.82 | 34.15 | | 27.80 | |
| 28 | 89.78 | 26.06 | 33.74 | 29.18 | 32.66 | | | | 28 | 74.82 | 31.69 | 34.38 | | 27.92 | |
| 29 | 90.41 | 27.56 | 34.10 | 29.60 | 33.09 | | | | 29 | 75.54 | 31.91 | 34.41 | | 28.15 | |
| 30 | 91.01 | 30.00 | 34.24 | 30.10 | 33.50 | | | | 30 | 76.23 | 32.22 | 34.54 | | 28.21 | |
| 31 | 91.61 | | 34.48 | 30.71 | 33.89 | | | | 31 | 76.90 | 32.47 | 34.78 | | 28.40 | |

| CUL Self- Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | CUL Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|-----------------------------|--------------------|----------|---------------|------------|-----------|------------|--------------|--------------|------------------------|-------------------|--------------|--------------|----------------|----------------|-------------|
| 32 | 92.18 | | 34.76 | 31.62 | 34.26 | | | | 32 | 77.56 | 32.75 | 34.87 | | 28.62 | |
| 33 | 92.75 | | 35.05 | 33.00 | 34.63 | | | | 33 | 78.23 | 33.00 | 35.06 | | 28.80 | |
| 34 | 93.28 | | 35.46 | | 35.00 | | | | 34 | 78.86 | | 35.27 | | 29.02 | |
| 35 | 93.81 | | 35.77 | | 35.51 | | | | 35 | 79.47 | | 35.57 | | 29.27 | |
| 36 | 94.34 | | 36.00 | | 36.00 | | | | 36 | 80.08 | | 36.00 | | 29.67 | |
| 37 | 94.87 | | | | 36.45 | | | | 37 | 80.69 | | | | 30.38 | |
| 38 | 95.36 | | | | 37.06 | | | | 38 | 81.27 | | | | 34.11 | |
| 39 | 95.86 | | | | 37.76 | | | | 39 | 81.84 | | | | 39.00 | |
| 40 | 96.32 | | | | 38.70 | | | | 40 | 82.39 | | | | | |
| 41 | 96.81 | | | | 40.05 | | | | 41 | 82.94 | | | | | |
| 42 | 97.27 | | | | 42.00 | | | | 42 | 83.49 | | | | | |
| 43 | 97.73 | | | | | | | | 43 | 84.01 | | | | | |
| 44 | 98.16 | | | | | | | | 44 | 84.53 | | | | | |
| 45 | 98.62 | | | | | | | | 45 | 85.05 | | | | | |
| 46 | 99.04 | | | | | | | | 46 | 85.55 | | | | | |
| 47 | 99.46 | | | | | | | | 47 | 86.04 | | | | | |
| 48 | 99.89 | | | | | | | | 48 | 86.53 | | | | | |
| 49 | 100.28 | | | | | | | | 49 | 86.99 | | | | | |
| 50 | 100.70 | | | | | | | | 50 | 87.45 | | | | | |
| 51 | 101.09 | | | | | | | | 51 | 87.92 | | | | | |
| 52 | 101.48 | | | | | | | | 52 | 88.32 | | | | | |
| 53 | 101.87 | | | | | | | | 53 | 88.73 | | | | | |
| 54 | 102.26 | | | | | | | | 54 | 89.13 | | | | | |
| 55 | 102.65 | | | | | | | | 55 | 89.48 | | | | | |
| 56 | 103.03 | | | | | | | | 56 | 89.80 | | | | | |
| 57 | 103.39 | | | | | | | | 57 | 90.09 | | | | | |
| 58 | 103.78 | | | | | | | | 58 | 90.35 | | | | | |
| 59 | 104.13 | | | | | | | | 59 | 90.64 | | | | | |
| 60 | 104.48 | | | | | | | | 60 | 90.87 | | | | | |
| 61 | 104.84 | | | | | | | | 61 | 91.07 | | | | | |
| 62 | 105.19 | | | | | | | | 62 | 91.30 | | | | | |
| 63 | 105.55 | | | | | | | | 63 | 91.50 | | | | | |

| CUL Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 64 | 105.86 |
| 65 | 106.22 |
| 66 | 106.57 |
| 67 | 106.89 |
| 68 | 107.21 |
| 69 | 107.56 |
| 70 | 107.88 |
| 71 | 108.20 |
| 72 | 108.52 |
| 73 | 108.83 |
| 74 | 109.12 |
| 75 | 109.43 |
| 76 | 109.75 |
| 77 | 110.04 |
| 78 | 110.35 |
| 79 | 110.64 |
| 80 | 110.92 |
| 81 | 111.24 |
| 82 | 111.52 |
| 83 | 111.80 |
| 84 | 112.09 |
| 85 | 112.37 |
| 86 | 112.65 |
| 87 | 112.90 |
| 88 | 113.18 |
| 89 | 113.47 |
| 90 | 113.71 |
| 91 | 114.00 |
| 92 | 114.24 |
| 93 | 114.49 |
| 94 | 114.77 |
| 95 | 115.02 |

| CUL Mobility RAW | Total Mobility |
|------------------------|-------------------|
| 64 | 91.68 |
| 65 | 91.85 |
| 66 | 92.02 |
| 67 | 92.20 |
| 68 | 92.34 |
| 69 | 92.51 |
| 70 | 92.66 |
| 71 | 92.80 |
| 72 | 92.92 |
| 73 | 93.06 |
| 74 | 93.21 |
| 75 | 93.32 |
| 76 | 93.47 |
| 77 | 93.61 |
| 78 | 93.73 |
| 79 | 93.85 |
| 80 | 93.96 |
| 81 | 94.08 |
| 82 | 94.19 |
| 83 | 94.28 |
| 84 | 94.42 |
| 85 | 94.57 |
| 86 | 94.63 |
| 87 | 94.74 |
| 88 | 94.89 |
| 89 | 95.00 |
| 90 | 95.06 |
| 91 | 95.23 |
| 92 | 95.32 |
| 93 | 95.44 |
| 94 | 95.52 |
| 95 | 95.61 |

| CUL Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 96 | 115.27 |
| 97 | 115.52 |
| 98 | 115.76 |
| 99 | 116.01 |
| 100 | 116.26 |
| 101 | 116.51 |
| 102 | 116.72 |
| 103 | 116.97 |
| 104 | 117.21 |
| 105 | 117.43 |
| 106 | 117.67 |
| 107 | 117.89 |
| 108 | 118.13 |
| 109 | 118.35 |
| 110 | 118.56 |
| 111 | 118.80 |
| 112 | 119.02 |
| 113 | 119.23 |
| 114 | 119.44 |
| 115 | 119.65 |
| 116 | 119.87 |
| 117 | 120.08 |
| 118 | 120.29 |
| 119 | 120.50 |
| 120 | 120.71 |
| 121 | 120.93 |
| 122 | 121.14 |
| 123 | 121.35 |
| 124 | 121.53 |
| 125 | 121.74 |
| 126 | 121.95 |
| 127 | 122.16 |

| CUL Mobility RAW | Total Mobility |
|------------------------|-------------------|
| 96 | 95.72 |
| 97 | 95.84 |
| 98 | 95.93 |
| 99 | 96.10 |
| 100 | 96.19 |
| 101 | 96.30 |
| 102 | 96.39 |
| 103 | 96.48 |
| 104 | 96.59 |
| 105 | 96.77 |
| 106 | 96.85 |
| 107 | 96.97 |
| 108 | 97.08 |
| 109 | 97.17 |
| 110 | 97.29 |
| 111 | 97.43 |
| 112 | 97.55 |
| 113 | 97.66 |
| 114 | 97.81 |
| 115 | 97.95 |
| 116 | 98.13 |
| 117 | 98.24 |
| 118 | 98.41 |
| 119 | 98.53 |
| 120 | 98.70 |
| 121 | 98.88 |
| 122 | 99.05 |
| 123 | 99.25 |
| 124 | 99.46 |
| 125 | 99.66 |
| 126 | 99.89 |
| 127 | 100.15 |

| CUL Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 128 | 122.38 |
| 129 | 122.55 |
| 130 | 122.80 |
| 131 | 123.01 |
| 132 | 123.22 |
| 133 | 123.44 |
| 134 | 123.65 |
| 135 | 123.86 |
| 136 | 124.07 |
| 137 | 124.29 |
| 138 | 124.50 |
| 139 | 124.75 |
| 140 | 124.96 |
| 141 | 125.20 |
| 142 | 125.42 |
| 143 | 125.63 |
| 144 | 125.88 |
| 145 | 126.12 |
| 146 | 126.37 |
| 147 | 126.62 |
| 148 | 126.87 |
| 149 | 127.11 |
| 150 | 127.36 |
| 151 | 127.64 |
| 152 | 127.93 |
| 153 | 128.21 |
| 154 | 128.49 |
| 155 | 128.78 |
| 156 | 129.09 |
| 157 | 129.41 |
| 158 | 129.73 |
| 159 | 130.05 |

| CUL Mobility RAW | Total Mobility |
|------------------------|-------------------|
| 128 | 100.41 |
| 129 | 100.73 |
| 130 | 101.08 |
| 131 | 101.42 |
| 132 | 101.86 |
| 133 | 102.29 |
| 134 | 102.84 |
| 135 | 103.45 |
| 136 | 104.08 |
| 137 | 104.81 |
| 138 | 105.56 |
| 139 | 106.43 |
| 140 | 107.41 |
| 141 | 108.54 |
| 142 | 109.95 |
| 143 | 111.83 |
| 144 | 114.23 |
| 145 | 119.55 |
| 146 | 129.27 |
| 147 | 147.00 |

| CUL Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 160 | 130.40 |
| 161 | 130.76 |
| 162 | 131.14 |
| 163 | 131.53 |
| 164 | 131.92 |
| 165 | 132.35 |
| 166 | 132.77 |
| 167 | 133.23 |
| 168 | 133.69 |
| 169 | 134.19 |
| 170 | 134.72 |
| 171 | 135.25 |
| 172 | 135.81 |
| 173 | 136.38 |
| 174 | 137.01 |
| 175 | 137.69 |
| 176 | 138.36 |
| 177 | 139.07 |
| 178 | 139.81 |
| 179 | 140.59 |
| 180 | 141.40 |
| 181 | 142.32 |
| 182 | 143.17 |
| 183 | 144.16 |
| 184 | 145.18 |
| 185 | 146.21 |
| 186 | 147.37 |
| 187 | 148.33 |
| 188 | 149.25 |
| 189 | 150.06 |
| 190 | 150.80 |
| 191 | 151.44 |

| CUL Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 192 | 151.97 |
| 193 | 152.54 |
| 194 | 153.10 |
| 195 | 153.63 |
| 196 | 154.02 |
| 197 | 154.55 |
| 198 | 155.08 |
| 199 | 155.54 |
| 200 | 155.97 |
| 201 | 156.36 |
| 202 | 156.99 |
| 203 | 157.42 |
| 204 | 158.09 |
| 205 | 158.76 |
| 206 | 159.54 |
| 207 | 160.35 |
| 208 | 161.55 |
| 209 | 163.29 |
| 210 | 167.07 |
| 211 | 177.25 |
| 212 | 191.89 |
| 213 | 213.00 |

APPENDIX 8: RASCH TRANSFORMATION TABLE
FOR PRIMARY SJÖGREN'S SYNDROME.

Domains 1-12 (& Self-Care and Mobility Components)

Domains 13 & 14 (not available)

| PSS Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | PSS Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|-------------------|-----------------|-------|------------|---------|--------|---------|-----------|-----------|------------------|----------------|-----------|-----------|-------------|-------------|----------|
| 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 22.14 | 4.12 | 5.00 | 4.48 | 5.08 | 3.11 | 3.33 | 2.07 | 1 | 14.08 | 1.56 | 4.08 | 2.26 | 15.30 | 3.33 |
| 2 | 35.59 | 7.04 | 8.39 | 7.60 | 8.52 | 5.33 | 5.66 | 3.39 | 2 | 22.72 | 2.65 | 6.98 | 4.05 | 15.41 | 5.64 |
| 3 | 43.79 | 9.10 | 10.69 | 9.78 | 10.90 | 6.89 | 7.28 | 4.21 | 3 | 28.02 | 3.40 | 9.05 | 5.48 | 15.45 | 7.25 |
| 4 | 49.55 | 10.85 | 12.50 | 11.56 | 12.77 | 8.17 | 8.58 | 4.83 | 4 | 31.84 | 4.07 | 10.76 | 6.85 | 15.55 | 8.52 |
| 5 | 53.94 | 12.41 | 14.01 | 13.14 | 14.40 | 9.31 | 9.69 | 5.36 | 5 | 34.88 | 4.69 | 12.29 | 8.31 | 15.59 | 9.64 |
| 6 | 57.50 | 13.89 | 15.41 | 14.64 | 15.86 | 10.38 | 10.70 | 5.82 | 6 | 37.63 | 5.31 | 13.70 | 9.95 | 21.89 | 10.64 |
| 7 | 60.47 | 15.35 | 16.71 | 16.08 | 17.26 | 11.39 | 11.67 | 6.24 | 7 | 40.46 | 5.94 | 15.02 | 11.75 | 15.68 | 11.53 |
| 8 | 63.00 | 16.78 | 17.95 | 17.50 | 18.62 | 12.36 | 12.60 | 6.68 | 8 | 42.42 | 6.64 | 16.26 | 14.14 | 15.74 | 12.33 |
| 9 | 65.23 | 18.17 | 19.14 | 18.91 | 19.92 | 13.29 | 13.52 | 7.09 | 9 | 43.55 | 7.60 | 17.42 | 15.10 | 15.84 | 13.03 |
| 10 | 67.23 | 19.53 | 20.33 | 20.32 | 21.26 | 14.19 | 14.41 | 7.55 | 10 | 44.17 | 8.31 | 18.51 | 15.56 | 15.89 | 13.63 |
| 11 | 69.02 | 20.84 | 21.54 | 21.72 | 22.56 | 15.04 | 15.26 | 8.05 | 11 | 44.68 | 9.25 | 19.51 | 15.88 | 15.94 | 14.17 |
| 12 | 70.66 | 22.16 | 22.76 | 23.13 | 23.86 | 15.84 | 16.06 | 8.62 | 12 | 45.04 | 10.23 | 20.42 | 16.17 | 16.00 | 14.69 |
| 13 | 72.15 | 23.41 | 23.95 | 24.61 | 25.13 | 16.60 | 16.82 | 9.32 | 13 | 45.32 | 11.23 | 21.27 | 16.48 | 16.01 | 15.15 |
| 14 | 73.55 | 24.42 | 25.10 | 25.99 | 26.39 | 17.32 | 17.51 | 10.19 | 14 | 45.67 | 12.73 | 22.06 | 16.73 | 16.08 | 15.61 |
| 15 | 74.85 | 25.08 | 26.23 | 27.10 | 27.64 | 17.98 | 18.14 | 11.31 | 15 | 45.85 | 14.17 | 22.78 | 16.99 | 16.13 | 16.09 |
| 16 | 76.08 | 25.57 | 27.14 | 27.77 | 28.82 | 18.59 | 18.70 | 12.79 | 16 | 46.08 | 14.27 | 23.44 | 17.29 | 16.24 | 16.58 |
| 17 | 77.22 | 25.95 | 27.85 | 28.25 | 30.01 | 19.17 | 19.26 | 14.92 | 17 | 46.31 | 14.37 | 24.05 | 17.63 | 16.31 | 17.08 |
| 18 | 78.31 | 26.24 | 28.44 | 28.60 | 31.20 | 19.70 | 19.77 | 18.00 | 18 | 46.61 | 14.46 | 24.61 | 18.00 | 16.36 | 17.70 |
| 19 | 79.35 | 26.58 | 28.95 | 28.96 | 32.31 | 20.22 | 20.27 | | 19 | 46.86 | 12.86 | 25.13 | | 16.48 | 18.44 |
| 20 | 80.35 | 26.84 | 29.36 | 29.23 | 33.31 | 20.73 | 20.76 | | 20 | 46.98 | 14.65 | 25.62 | | 16.61 | 19.49 |
| 21 | 81.28 | 27.07 | 29.78 | 29.51 | 34.17 | 21.25 | 21.27 | | 21 | 47.16 | 14.72 | 26.08 | | 16.82 | 21.00 |
| 22 | 82.18 | 27.30 | 30.15 | 29.74 | 34.82 | 21.80 | 21.78 | | 22 | 47.37 | 14.73 | 26.51 | | 18.41 | |
| 23 | 83.04 | 27.60 | 30.51 | 29.89 | 35.32 | 22.38 | 22.36 | | 23 | 47.56 | 14.85 | 26.91 | | 19.26 | |
| 24 | 83.87 | 27.84 | 30.85 | 30.14 | 35.76 | 23.07 | 23.07 | | 24 | 47.86 | 14.92 | 27.32 | | 20.06 | |
| 25 | 84.67 | 28.05 | 31.15 | 30.43 | 36.06 | 23.92 | 23.90 | | 25 | 47.97 | 14.93 | 27.69 | | 20.91 | |
| 26 | 85.47 | 28.39 | 31.36 | 30.67 | 36.39 | 25.17 | 25.14 | | 26 | 48.20 | 15.05 | 28.10 | | 21.80 | |
| 27 | 86.24 | 28.64 | 31.70 | 30.91 | 36.75 | 27.00 | 27.00 | | 27 | 48.50 | 15.03 | 28.48 | | 22.75 | |
| 28 | 86.97 | 29.02 | 32.00 | 31.08 | 36.98 | | | | 28 | 48.69 | 15.12 | 28.90 | | 23.74 | |
| 29 | 87.67 | 29.46 | 32.36 | 31.43 | 37.29 | | | | 29 | 48.94 | 15.24 | 29.31 | | 24.77 | |
| 30 | 88.37 | 30.00 | 32.76 | 31.72 | 37.56 | | | | 30 | 49.22 | 15.32 | 29.76 | | 25.85 | |

| PSS Self-Care RAW | Total Self Care | 1 Eat | 2 Bathroom | 3 Dress | 5 Cook | 7 Clean | 8 Laundry | 10 Commun | PSS Mobility RAW | Total Mobility | 4 Bathing | 6 Indoors | 9 Transfers | 11 Outdoors | 12 House |
|-------------------|-----------------|-------|------------|---------|--------|---------|-----------|-----------|------------------|----------------|-----------|-----------|-------------|-------------|----------|
| 31 | 89.07 | | 33.04 | 31.98 | 37.75 | | | | 31 | 49.49 | 15.34 | 30.25 | | 26.97 | |
| 32 | 89.74 | | 33.57 | 32.37 | 38.09 | | | | 32 | 49.81 | 15.46 | 30.84 | | 28.13 | |
| 33 | 90.37 | | 33.96 | 33.00 | 38.23 | | | | 33 | 50.21 | 33.00 | 31.53 | | 29.31 | |
| 34 | 91.00 | | 34.57 | | 38.59 | | | | 34 | 50.67 | | 32.44 | | 30.50 | |
| 35 | 91.63 | | 35.25 | | 38.76 | | | | 35 | 51.29 | | 33.85 | | 31.73 | |
| 36 | 92.23 | | 36.00 | | 37.15 | | | | 36 | 51.82 | | 36.00 | | 33.01 | |
| 37 | 92.83 | | | | 39.43 | | | | 37 | 52.60 | | | | 34.47 | |
| 38 | 93.43 | | | | 39.76 | | | | 38 | 53.36 | | | | 36.41 | |
| 39 | 94.00 | | | | 40.12 | | | | 39 | 54.10 | | | | 39.00 | |
| 40 | 94.56 | | | | 40.49 | | | | 40 | 54.79 | | | | | |
| 41 | 95.13 | | | | 41.08 | | | | 41 | 55.41 | | | | | |
| 42 | 95.70 | | | | 42.00 | | | | 42 | 56.06 | | | | | |
| 43 | 96.23 | | | | | | | | 43 | 56.66 | | | | | |
| 44 | 96.76 | | | | | | | | 44 | 57.23 | | | | | |
| 45 | 97.29 | | | | | | | | 45 | 57.81 | | | | | |
| 46 | 97.79 | | | | | | | | 46 | 58.36 | | | | | |
| 47 | 98.33 | | | | | | | | 47 | 58.92 | | | | | |
| 48 | 98.83 | | | | | | | | 48 | 59.45 | | | | | |
| 49 | 99.32 | | | | | | | | 49 | 59.98 | | | | | |
| 50 | 99.79 | | | | | | | | 50 | 60.51 | | | | | |
| 51 | 100.29 | | | | | | | | 51 | 61.01 | | | | | |
| 52 | 100.76 | | | | | | | | 52 | 61.52 | | | | | |
| 53 | 101.22 | | | | | | | | 53 | 62.03 | | | | | |
| 54 | 101.72 | | | | | | | | 54 | 62.53 | | | | | |
| 55 | 102.15 | | | | | | | | 55 | 63.04 | | | | | |
| 56 | 102.62 | | | | | | | | 56 | 63.55 | | | | | |
| 57 | 103.09 | | | | | | | | 57 | 64.03 | | | | | |
| 58 | 103.52 | | | | | | | | 58 | 64.54 | | | | | |
| 59 | 103.95 | | | | | | | | 59 | 65.04 | | | | | |
| 60 | 104.39 | | | | | | | | 60 | 65.55 | | | | | |
| 61 | 104.82 | | | | | | | | 61 | 66.06 | | | | | |
| 62 | 105.25 | | | | | | | | 62 | 66.56 | | | | | |

| PSS Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 63 | 105.68 |
| 64 | 106.08 |
| 65 | 106.52 |
| 66 | 106.92 |
| 67 | 107.32 |
| 68 | 107.72 |
| 69 | 108.11 |
| 70 | 108.51 |
| 71 | 108.91 |
| 72 | 109.31 |
| 73 | 109.68 |
| 74 | 110.08 |
| 75 | 110.45 |
| 76 | 110.81 |
| 77 | 111.18 |
| 78 | 111.54 |
| 79 | 111.91 |
| 80 | 112.28 |
| 81 | 112.64 |
| 82 | 112.98 |
| 83 | 113.34 |
| 84 | 113.68 |
| 85 | 114.01 |
| 86 | 114.37 |
| 87 | 114.71 |
| 88 | 115.04 |
| 89 | 115.37 |
| 90 | 115.71 |
| 91 | 116.04 |
| 92 | 116.34 |
| 93 | 116.67 |
| 94 | 116.97 |

| PSS Mobility RAW | Total Mobility |
|------------------------|-------------------|
| 63 | 67.09 |
| 64 | 67.62 |
| 65 | 68.18 |
| 66 | 68.73 |
| 67 | 69.31 |
| 68 | 69.88 |
| 69 | 70.48 |
| 70 | 71.08 |
| 71 | 71.68 |
| 72 | 72.32 |
| 73 | 72.95 |
| 74 | 73.59 |
| 75 | 74.26 |
| 76 | 74.93 |
| 77 | 75.57 |
| 78 | 76.24 |
| 79 | 76.91 |
| 80 | 77.58 |
| 81 | 78.25 |
| 82 | 78.91 |
| 83 | 79.58 |
| 84 | 80.23 |
| 85 | 80.87 |
| 86 | 81.50 |
| 87 | 82.12 |
| 88 | 82.74 |
| 89 | 83.36 |
| 90 | 83.96 |
| 91 | 84.54 |
| 92 | 85.11 |
| 93 | 85.69 |
| 94 | 86.24 |

| PSS Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 95 | 117.30 |
| 96 | 117.60 |
| 97 | 117.90 |
| 98 | 118.20 |
| 99 | 118.50 |
| 100 | 118.80 |
| 101 | 119.10 |
| 102 | 119.40 |
| 103 | 119.67 |
| 104 | 119.97 |
| 105 | 120.23 |
| 106 | 120.53 |
| 107 | 120.80 |
| 108 | 121.07 |
| 109 | 121.33 |
| 110 | 121.60 |
| 111 | 121.83 |
| 112 | 122.10 |
| 113 | 122.33 |
| 114 | 122.57 |
| 115 | 122.80 |
| 116 | 123.03 |
| 117 | 123.26 |
| 118 | 123.50 |
| 119 | 123.73 |
| 120 | 123.93 |
| 121 | 124.13 |
| 122 | 124.36 |
| 123 | 124.56 |
| 124 | 124.76 |
| 125 | 124.96 |
| 126 | 125.16 |

| PSS Mobility RAW | Total Mobility |
|------------------------|-------------------|
| 95 | 86.82 |
| 96 | 87.35 |
| 97 | 87.90 |
| 98 | 88.45 |
| 99 | 88.98 |
| 100 | 89.54 |
| 101 | 90.09 |
| 102 | 90.67 |
| 103 | 91.22 |
| 104 | 91.79 |
| 105 | 92.39 |
| 106 | 92.95 |
| 107 | 93.48 |
| 108 | 93.94 |
| 109 | 94.33 |
| 110 | 94.70 |
| 111 | 95.02 |
| 112 | 95.32 |
| 113 | 95.60 |
| 114 | 95.80 |
| 115 | 96.06 |
| 116 | 96.24 |
| 117 | 96.49 |
| 118 | 96.73 |
| 119 | 96.84 |
| 120 | 97.02 |
| 121 | 97.32 |
| 122 | 97.42 |
| 123 | 97.67 |
| 124 | 97.76 |
| 125 | 98.06 |
| 126 | 98.22 |

| PSS Self- Care RAW | Total Self Care |
|---------------------------------------|----------------------------|
| 127 | 125.33 |
| 128 | 125.53 |
| 129 | 125.70 |
| 130 | 125.90 |
| 131 | 126.06 |
| 132 | 126.23 |
| 133 | 126.39 |
| 134 | 126.56 |
| 135 | 126.73 |
| 136 | 126.93 |
| 137 | 127.09 |
| 138 | 127.26 |
| 139 | 127.43 |
| 140 | 127.59 |
| 141 | 127.73 |
| 142 | 127.86 |
| 143 | 128.03 |
| 144 | 128.19 |
| 145 | 128.33 |
| 146 | 128.49 |
| 147 | 128.66 |
| 148 | 128.79 |
| 149 | 128.96 |
| 150 | 129.09 |
| 151 | 129.26 |
| 152 | 129.39 |
| 153 | 129.56 |
| 154 | 129.69 |
| 155 | 129.86 |
| 156 | 129.99 |
| 157 | 130.16 |
| 158 | 130.29 |

| PSS Mobility RAW | Total Mobility |
|---------------------------------|---------------------------|
| 127 | 98.41 |
| 128 | 98.71 |
| 129 | 98.89 |
| 130 | 99.12 |
| 131 | 99.42 |
| 132 | 99.74 |
| 133 | 100.07 |
| 134 | 100.48 |
| 135 | 100.96 |
| 136 | 101.54 |
| 137 | 102.35 |
| 138 | 103.55 |
| 139 | 105.09 |
| 140 | 106.96 |
| 141 | 109.40 |
| 142 | 112.65 |
| 143 | 116.49 |
| 144 | 121.06 |
| 145 | 126.72 |
| 146 | 134.97 |
| 147 | 147.00 |

| PSS Self- Care RAW | Total Self Care |
|-----------------------------|--------------------|
| 159 | 130.49 |
| 160 | 130.59 |
| 161 | 130.76 |
| 162 | 130.92 |
| 163 | 131.09 |
| 164 | 131.22 |
| 165 | 131.39 |
| 166 | 131.56 |
| 167 | 131.72 |
| 168 | 131.89 |
| 169 | 132.09 |
| 170 | 132.22 |
| 171 | 132.42 |
| 172 | 132.59 |
| 173 | 132.79 |
| 174 | 132.99 |
| 175 | 133.15 |
| 176 | 133.35 |
| 177 | 133.55 |
| 178 | 133.79 |
| 179 | 133.99 |
| 180 | 134.22 |
| 181 | 134.45 |
| 182 | 134.69 |
| 183 | 134.92 |
| 184 | 135.19 |
| 185 | 135.45 |
| 186 | 135.75 |
| 187 | 136.05 |
| 188 | 136.35 |
| 189 | 136.68 |
| 190 | 137.05 |

| PSS Self- Care RAW | Total Self Care |
|---------------------------------------|----------------------------|
| 191 | 137.42 |
| 192 | 137.82 |
| 193 | 138.28 |
| 194 | 138.75 |
| 195 | 139.28 |
| 196 | 139.85 |
| 197 | 140.45 |
| 198 | 141.21 |
| 199 | 142.01 |
| 200 | 142.98 |
| 201 | 143.98 |
| 202 | 145.21 |
| 203 | 146.64 |
| 204 | 148.34 |
| 205 | 150.34 |
| 206 | 152.70 |
| 207 | 155.63 |
| 208 | 159.16 |
| 209 | 163.69 |
| 210 | 169.58 |
| 211 | 177.87 |
| 212 | 191.29 |
| 213 | 213.00 |

